



**Inaccurate Information Provided to Council by
Regional Staff, Regarding**

**the Mass Medication of Peel Residents Using
Toxic Waste from the Smokestacks of the
Phosphate Fertilizer Industry**

and

**the Unlawfully Closed Fluoridation Session of
January 21st, 2016**

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Hydrofluorosilicic acid (HFSA) is the phosphate fertilizer industry's hazardous waste, added to our tap water and framed by some as “*free dental care for the poor*”.

For years, residents have sought from Public Health Staff the toxicological studies needed to show that HFSA is safe for human consumption over a lifetime for all members of our community when added to municipal tap water. No studies have ever been provided, even by NSF.

<http://www.fluoridefreepeel.ca/wp-content/uploads/2013/07/Health-Canada-FOI-Response-Letter-June2014.pdf>

The Region's Public Health Staff claim there is no need for toxicological studies because HFSA dissociates 100% in drinking water (see this 2014 memo:

http://www.stoppsychotherapytakeover.ca/wp-content/uploads/2016/09/agarewal_8-19-2016_16-19-32.pdf) and therefore the public do not come in contact with it.

This assertion is not supported by the scientific literature, including the 2006 Finney et al (Michigan) study cited by Staff: <http://www.ncbi.nlm.nih.gov/pubmed/16683594>

1975: Westendorf found that under physiological conditions, dissociation of silicafluorides was no more than 66% in the concentration range considered optimum for fluoridated water.

2001: Senior EPA research staff acknowledged that their *“longstanding confidence in the “virtually total” dissociation of SiFs (silicofluorides) may have been misplaced.”* <http://fluoridealert.org/studies/westendorf-foreword/>

2006: The Finney et al (Michigan) study cited by Regional Staff used a higher-than-pharmaceutical grade HFSA, AND, high purity deionized water devoid of impurities:
<http://www.ncbi.nlm.nih.gov/pubmed/16683594>

The Michigan study does not remotely reflect fluoridation in Peel, as pointed out at a Committee meeting to the Regional Medical Officer of Health, Dr. Eileen de Villa, by Councillor Sprovieri.

Further, it has been demonstrated that

- **dissociation depends on a number of factors such as temperature, presence of other substances (metal cations), water hardness and most importantly pH, as shown in the Michigan study, and**
- ❖ **it has been shown that re-association may occur under acidic pH conditions (see Urbansky, 2002 and Morris, 2004), for example in our gut or in acidic beverages such as tea or coffee prepared using fluoridated water, and**
- ❖ **Mullenix, in 2014, stressed the potential generation of *“decomposition products with toxicity greater than that of the original compounds”*.**

**THIS SLIDE IS FROM DECLAN WAUGH, Chartered Environmental Scientist
Chartered Waste Manager, Chartered Water and Environmental Manager**

**At normal stomach pH range additional peer
reviewed studies have found silicon tetrafluoride,
(SiF₄) acid molecules.**

**Gabovich RD; "Fluorine in Stomatology and Hygiene"; translated from the
original Russian and published in Kazan (USSR); printed by the US Govt
Printing Office on behalf of the Dept of Health Education and Welfare. US
Public Health Service, National Institute of Dental Health; DHEW pub no
(NIH) 78-785, 1977**

**Roholm K; "Fluorine Intoxication; A Clinical-Hygiene Study"; H. K. Lewis &
Co. Ltd, London; 1937**

**Lewis RJ, jr.; "Hazardous Chemicals Desk Reference": Van Nostrand
Reinhold; Fourth Edition.**

**Matheson Gas Products; 30 Seaview Drive, Secaucus, NJ; "Effects of
Exposure to Toxic Gases" and MSDS for CAS # 7783-61-1; created 1/24/89.**

Voltaix, Inc.; Material Safety Data Sheet for Silicon Tetrafluoride (SiF₄).

**Rumyantseva GI et al; "Experimental Investigation of The Toxic Properties
of Silicon Tetrafluoride"; *Gig Sanit* ;(5):31-33, 1991**

Further, allowed limits of toxins do not ensure safety, rather they take into account the difficulty & expense in keeping toxins at levels that are completely safe.

HFSA's contaminants include arsenic & lead:

<http://www.fluoridefreepeel.ca/wp-content/uploads/2013/07/20130705121108426.pdf>

An MCLG (Maximum Contaminant Level Goal) is the maximum level in drinking water at which no known or anticipated adverse human health effects would occur. The EPA's MCLG for arsenic & lead is ZERO:

<https://www.epa.gov/ground-water-and-drinking-water/table-regulated-drinking-water-contaminants>

World Health Organization: "There is no known level of lead exposure that is considered safe."

<http://www.who.int/mediacentre/factsheets/fs379/en/>

Health Canada: "Because arsenic can cause cancer, every effort should be made to keep arsenic levels in drinking water as low as possible".

<http://www.hc-sc.gc.ca/hl-vs/iyh-vsv/envIRON/arsenic-eng.php>

Mullenix, in 2014, stressed the possibility of synergistic effects between various contaminants fostering an underestimation of health risks:

<http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4090869/pdf/oeh-20-02-157.pdf>

Some studies show lead uptake in blood using HFSA:

<http://www.fluoridefreepeel.ca/wp-content/uploads/2013/07/Roger-Masters-Bibliography-Publications-on-Silicofluorides.pdf>

Questions:

Were these facts discussed at Jan. 21st closed meeting? If not, we want them on record today.

Who is responsible for the Region's determination that toxicology studies are not necessary?

Another Questionable Statement from Staff

Published in the April 2016 fluoridation committee minutes, from non-expert, ALPHA member, Dr. Eileen de Villa:

“...at current levels of fluoride added to the water system, a person would have to drink 15 litres of water, every day for ten years before any potential toxicity concerns (i.e. skeletal fluorosis).”

REBUTTAL

Dr. Hardy Limeback, fluoride toxicity expert, recently retired full professor, head of Preventive Dentistry at University of Toronto, for 18 years, co-author of the NRC's highly regarded 2006 review of fluoride in drinking water:

“..the models estimated that bone fluoride concentrations resulting from lifetime exposure to fluoride in drinking water at 2 mg/L (4,000 to 5,000 mg/kg ash) or 4 mg/L (10,000 to 12,000 mg/kg ash) fall within or exceed the ranges historically associated with stage II and stage III skeletal fluorosis (4,300 to 9,200 mg/kg ash and 4,200 to 12,700 mg/kg ash, respectively).

That means stage II skeletal fluorosis can occur in someone consuming

- 1. 1 L of 2 ppm Fwater/day***
- 2. 2 L of 1 ppm Fwater/day***
- 3. 2.86 L of 0.7 ppm Fwater/day***

Dr. de Villa is over-estimating by 5.25 FOLD.

Further, a baby only has to drink an average day's worth of 0.75 L of 0.7 ppm infant formula made with Peel tap water and it would have a very high probability of getting dental fluorosis.”

Unlawfully Closed Fluoridation Session: January 21st, 2016

In a legitimate open democracy:

- **the public, media are free to attend, record, report on meetings that affect decision-making of elected officials**
- **able to follow up, hold accountable, challenge, critique any experts, staff, representatives and their statements**
- **NOT required to wait months, make special requests, pay to access information presented, or pay for expenses incurred strictly as a result of Region's unlawful behaviour**

But Regional Staff gave Council inaccurate advice & the meeting was closed.

In reply to a recent FOI request, I've been told that I must pay the Region an estimated fee of over \$850 in order to obtain the audio recording of the Region's unbalanced fluoridation meeting of January 21st, even though, according to the *Municipal Act* and the Region's own investigation, the Region unlawfully prevented myself and others from attending said meeting.

Requests:

- **Council question the reliability of info provided by Staff relating to safety, efficacy, legality of fluoridation**
- **Impose an immediate moratorium on fluoridation**
- **Ensure that experts from both sides of fluoridation issue are heard from regarding issues around toxic waste HFSA**
- **Automatically waive/refund all fees associated with the illegally closed Jan. 21st meeting, including FOI request #123-16-317, and including all \$5 application fees**
- **Immediately make the Jan. 21st audio recording freely available to the public, along with a written transcript when available, any presentations made during the meeting, and any handouts that were distributed, by posting them on the Region's existing webpage that provides links to Council meeting minutes**

Requests:

- **Council hold accountable whoever is responsible for the illegal closing of the Jan. 21st fluoridation meeting, especially given that the illegality was pointed out to Regional officials ONE WEEK prior to the meeting.**
- **Council hold accountable whoever is responsible for the unbalanced nature of the Jan. 21st fluoridation meeting**
- **Council hold accountable all Staff who have provided false assurances regarding toxic waste HFSA and fluoridation in general, including its alleged safety, efficacy and legality**
- **Council ensure that future meetings, including Committee meetings, and Regional publications on the issue of fluoridation, are BALANCED to include input from BOTH SIDES, and that all existing and future website materials also be BALANCED**