

Adele Sanoy

**"It is difficult to get a man to understand something, when his salary depends on his not understanding it."**

Thank you so much for the opportunity to speak on this critical issue

If this passes, we're going to spend \$7-10 million "putting the burden on the backs of Calgary taxpayers" to purchase, hire & train staff, and install equipment to administer a toxic waste product to drinking water violating ethics to medicate Calgarians without obtaining **informed consent** of every individual.

**ON and FOR the record – I do not CONSENT**

→ Any benefit of fluoride is **excruciatingly negligible** and only reported affect on the teeth is though topical applications and not swallowing – so, what, then is the purpose of it in water?

\* Our enamel is much thinner than originally believed, and the topical effect of fluoride on enamel is much less than originally thought. This is one of the PUBMED publications that supports that discovery.

- → LARGEST PUBLICATION OF IT'S KIND nearly 500 pages, - a REVIEW of the EPA fluoride standards, prepared by the NRC reports levels in different body tissues in fluoridated areas.
- We know it's only a topical effect, right? So how much fluoride in saliva? The chart shows → where there is .8ppm in water,
- → Ave F content in saliva was only .011ppm [what a waste of money if topical fluoride is indeed the goal]
- → However there is 1000- 1500 +++ ppm toothpaste – representing 91,000 – 136,000 more F contacting the teeth than from drinking F water.
- → Toothpaste is CHEAP – this week at COSTCO you can get a 5 pack - tubes bigger than this for \$10 – if a family of 4 spends more than \$30 a year, they're taking in too much



➤ The actual industrial waste product cities pay to consume relieves industry of their burden to pay for disposal. Why wouldn't they be compelled to obtain endorsements. Industry and government agencies were wrong and deceitful about thalidomide, VIOXX, oxycodone, cannabis, saturated fat, let's not also be on the wrong side of the fluoride issue.

CALGARY – WE HAVE MORE TO LOSE BY BEING WRONG ABOUT SUPPORTING FLUORIDATION THAN WE HAVE TO GAIN BY BEING RIGHT!

If fluoride is reintroduced, thousands will buy bottled water increasing our plastic consumption. ***"What would Greta say?"***

I've spoken to micro breweries, they're very concerned about the costs to remove fluoride, and damage to their equipment.

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I know many are here citing their own experiences, blaming lack of fluoride in water for their poor dental health.

Here's my experience, ~~but I'm RARE, small and shrinking sample of ONE.~~

I grew up in a small City in SK that was not fluoridated, I drank raw milk, I hated sugar and sweets, I loved meat, and didn't much care for vegetables. I hated soda pop, I didn't like water, I didn't like juice. I hated candy, I would taste it once in a while in an attempt to understand the appeal.

*I was raised in a Doomsday cult, we did not celebrate Christmas, Easter, Hallowe'en, birthdays or tooth fairies, all key events which typically provide opportunities for a great deal of sugar consumption.*

I never had any cavities. When teams of dental students were sent out by the university, my parents would respond with DO NOT consent regarding their fluoride and "free" dental treatment (there were reports of injuries and errors)

*Mom's Teeth + she loves sugar*

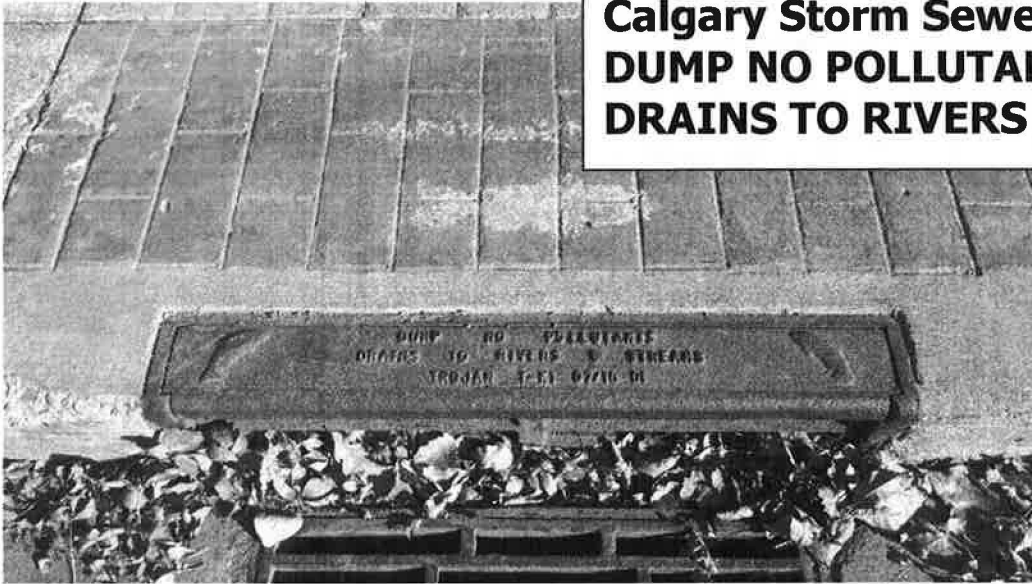
Honestly my first dentist appointment was at the age of 16, he laughed and instructed his assistant to bring in my father from the waiting room, showed him my teeth with that little mirror and sent us home telling us to keep doing what we were doing. His son was my classmate, who, he said, had terrible teeth.

~~\*\*\* I DO NOT CONSENT \*\*\*~~

Instead of a motion to put it in water, we should have a motion to warn people about it.

- City of Calgary tells us not to put pollutants in the storm sewers.  
PIC
  - Yet a toxic waste product is going to be purchased for our water – here's a news report out of Utah earlier this year, hundreds were sickened when a pump malfunctioned, releasing undiluted fluoride, "a hazardous, poisonous material, also containing arsenic, lead, copper, manganese, iron and aluminum"
  - (→) An option product out of china caused some issues in a US municipality, package label reads "Target Organs, Heart, Kidney, Bones CNS, GI, Teeth, Do Not Get In Eyes Or On Skin, Do Not Ingest Or Inhale"
  - Pharmaceutical Grade? – toothpaste
  - (→) Lab Grade, too expensive for the millions of liters needed for our water. Highly dangerous, that if one spills it on themselves, they are to → Flush/wash area immediately, Apply gel continuously WHILE seeking medical attention
  - (→) This a news article about an accident where a truck hauling fluoride to Kingston crashed, driver died because the fluoride totes broke through cab, spilled on him, and the company got fined a total of \$312,500 for injury and for the environmental damage.
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## Calgary Storm Sewer reads: DUMP NO POLLUTANTS DRAINS TO RIVERS AND STREAMS



[ksl.com/article/46536380/report-shows-239-people-sickened-in-utah-fluoride-overfeed-investigation-continuing](https://ksl.com/article/46536380/report-shows-239-people-sickened-in-utah-fluoride-overfeed-investigation-continuing)

**KSL.com**

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Pump malfunction = accidental release into drinking water in Utah on Feb 5, 2019

“The concentrate in its undiluted form is classified as a hazardous, poisonous material that, while it contains fluoride, also contains arsenic, lead, copper, manganese, iron and aluminum.”

## Report shows 239 people sickened in Utah fluoride overfeed; investigation continuing

By Amy Jol O'Donoghue, KSL | Posted - Apr 21st, 2019 @ 1:46pm

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**SANDY** — A state-required report documenting the health impacts of an accidental release of fluoride concentrate in Sandy said there were 239 cases of human exposure in which people experienced gastrointestinal symptoms such as vomiting and headaches.

That number is substantially higher than early reports of the Feb. 5 incident, which sent undiluted hydrofluorosilicic acid from a malfunctioning pump into part of the city's drinking water system, affecting 1,500 households, schools and businesses.

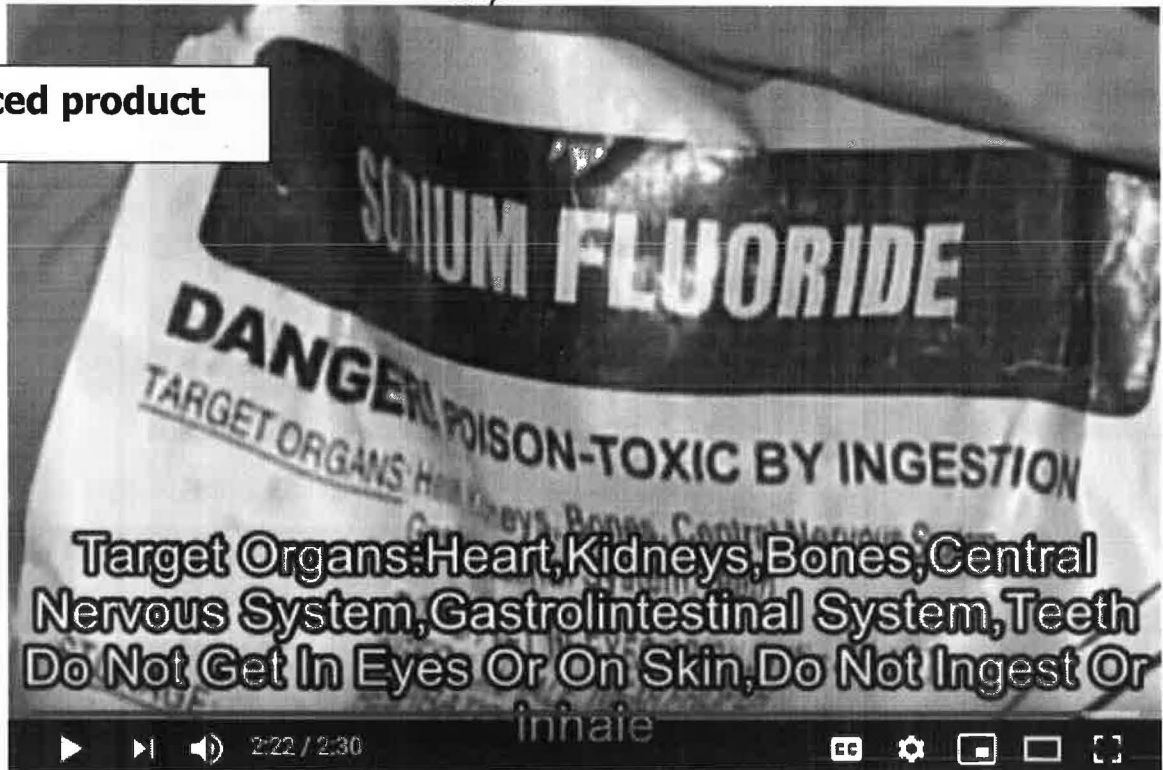
The concentrate in its undiluted form is classified as a hazardous, poisonous material that, while it contains fluoride, also contains arsenic, lead, copper, manganese, iron and aluminum. It is a byproduct from phosphate mining operations.

Fluoride was detected at 40 times the federal limit after the release, and two weeks of free blood testing for lead showed one person with elevated levels, according to Salt Lake County health officials.

The release happened as a result of a power surge during a snowstorm.

**Image captured from a US TV news item, about town that ceased fluoridation due to concerns about the product they were using from China. How ironic, really, considering the other source, the waste from the fertilizer industry.**

**China sourced product**



**Target Organs: Heart, Kidneys, Bones, Central Nervous System, Gastrointestinal System, Teeth  
Do Not Get In Eyes Or On Skin, Do Not Ingest Or inhale**

**US Colgate label – 1500 ppm**

**WARNINGS:** Keep out of reach of children under 6 years of age. If more than used for brushing is accidentally ingested, get medical help or contact Poison Control Centre right away.

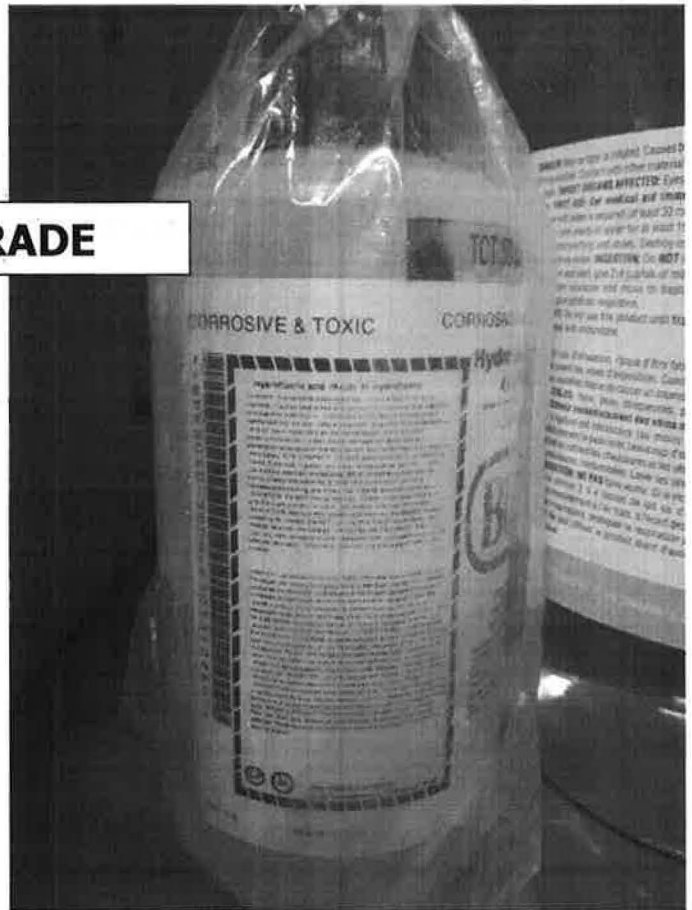
= water fluoridation is an unnecessary expense as toothpaste is hundreds of thousands of times more fluoride than water

**Pharmaceutical Grade?**

<p>Questions or comments? Call toll-free 1-800-468-6502 www.colgate.com</p>	
<p><b>Active ingredient</b> Sodium monofluorophosphate 0.76% (0.15% w/v fluoride ion)</p> <p><b>Use:</b> helps protect against cavities</p> <p><b>Warnings:</b> Keep out of the reach of children under 6 years of age. If more than used for brushing is accidentally swallowed, get medical help or contact a Poison Control Center right away.</p> <p><b>Directions:</b> • Adults and children 2 years of age and older: Brush teeth thoroughly, preferably after each meal or at least twice a day, or as directed by a dentist or physician. • Children 2 to 6 years: Use only a pea sized amount and supervise child's brushing and rinsing (to minimize swallowing). • Children under 2 years: Ask a dentist or physician.</p> <p><b>Inactive ingredients:</b> dicalcium phosphate diphosphate, water, glycerin, sodium lauryl sulfate, cellulose gum, flavor, tetrasodium pyrophosphate, sodium saccharin</p>	<p><b>Purpose:</b> Anticavity</p> <p><b>ADA Accepted:</b> "The ADA Council on Scientific Affairs' Acceptance of Colgate Cavity Protection is based on its finding that the product is effective in helping to prevent and reduce tooth decay, when used as directed."</p> <p>• P9851951 9115</p>

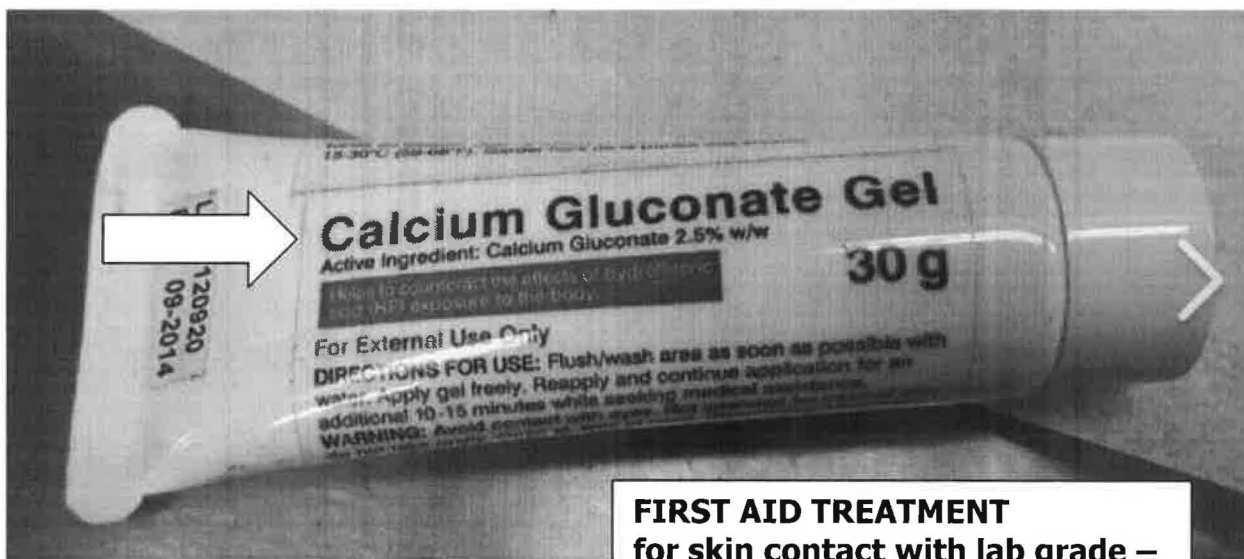


**LAB GRADE - Hydrofluoric Acid** used by Calgary based metallurgical engineering firm. This is a much more expensive product, and very dangerous though not the toxic waste product used for municipal water treatment.



**LAB GRADE**

**FIRST AID TREATMENT for above:**  
Label reads: Flush/wash area as soon as possible with water. Apply gel freely. Reapply and continue application WHILE seeking medical attention.



**FIRST AID TREATMENT for skin contact with lab grade – Hydrofluoric acid**

More than \$300,000 fines to trucking company for the environmental contamination in ON caused when their truck driver crashed, scattering totes of fluoride being sent to Kingston for water treatment. Many broke and spilled onto to ground. Truck driver died of injuries due to contact with fluoride, many first responders were injured, the first one on the scene the most critical <http://hazmatmag.com/2019/02/ontario-trucking-company-fined-250000-over-hazmat-incident/>



## Ontario: Trucking Company Fined \$250,000 over hazmat incident

February 27, 2019 / 0 Comments / in HazMat, News, Trending / by John Nicholson

Titanium Trucking Services Inc., headquartered in Ontario, was recently convicted of one violation under the Ontario Environmental Protection Act and was fined \$250,000 plus a victim fine surcharge of \$62,500 and was given 24 months to pay the fine. Luckily, no one was hurt. The fine was the result of a hazmat incident in which a fluorosilicic acid spilled from a tanker truck into the natural environment, which caused adverse effects. No one can predict anything like this to happen, which is why it is important to always stay focused on the road no matter what vehicle you drive. Luckily no one was hurt in this collision. Saying this though, if you have been involved in a trucking accident and were not sure what to do next, getting some assistance from a personal injury lawyer in Springfield could be the answer you need that can help you get your life back on track after this incident. There's nothing wrong in asking for help.

Fluorosilicic acid is corrosive and causes burns. It decomposes when heated, with possible emanation of toxic hydrofluoric acid vapours. It is used in fluoridating water and in aluminum production. In the aquatic environment, an accidental spillage of fluorosilicic acid would suddenly reduce pH level due to the product's acidic properties.

At the time of the offence, Titanium Trucking Services Inc., which is located in Bolton (just northwest of Toronto) had a contract with a Burlington, Ontario area chemical company to provide drivers and vehicles on a dedicated basis for chemical product transportation.

In January 2017, the Burlington area chemical company placed an order for 81,000 kg of 37-42% fluorosilicic acid, which was required for pickup in Montreal for transport to Burlington. Fluorosilicic acid is a corrosive liquid, classified as a dangerous good.

On the date of the planned chemical pick-up, Environment Canada had issued weather advisories relating to a major winter storm and the public was instructed to consider postponing non-essential travel.

The chemical pick-up occurred as planned on March 14, 2017, and within four hours after leaving Montreal, the truck and the driver were involved in a multi-vehicle collision while traveling westbound on Highway 401. As a result of the collision 15 totes of fluorosilicic acid ejected through the front wall of the trailer and also came to rest in the roadside ditch.



March 14, 2017 incident on Highway 401 near Mallorytown. Several first responders were exposed and needed to be decontaminated. (XBR Traffic)

The acid discharge caused further adverse effects, a total of 13 first responders and another sixteen members of the public had to be decontaminated, the 401 highway was closed in both directions, and the OPP officer who initially attempted to extract the truck driver from the cab on scene experienced significant health effects. In addition, adverse impacts to the roadside soil ecosystem occurred.

Tags: environmental charges, environmental fine, hazmat, hazmat incident, spill

Also: <https://www.therecord.com/news-story/7189833-one-dead-after-multiple-transport-collision-chemical-spill-on-highway-401/>

<https://news.ontario.ca/ene/en/2019/01/trucking-company-fined-250000-for-ontario-water-resources-act-violation.html> ETC.

From a chart provided in National Research Council's (NRC) 467 page report chart page 58

## FLUORIDE IN DRINKING WATER: A Scientific Review of EPA's Standards

<https://www.actionpa.org/fluoride/nrc/NRC-2006.pdf>



When avg. F content in H2O was = .8 ppm



**Ave F content in saliva was**

**ONLY .011 ppm**

**?Where does the rest go?**

**soft tissue?**

**brains?**

**bones?**

**urine (50%)**



**ALL CO\$T + = no benefit**



1000 – 1500 + ppm\*\*  
= 91,000 – 136,000 x  
more F in toothpaste  
than in saliva with  
"chronic" F H2O use.

Toothpaste is CHEAP!!!

If a family of 4 spends more than \$30 on toothpaste for a YEAR, they're probably ingesting too much poison that does not even do what it's been promised to!

<https://www.actionpa.org/fluoride/nrc/NRC-2006.pdf>

"It is difficult to get a man to understand something, when his salary depends on his not understanding it." Upton Sinclair



<https://www.ncbi.nlm.nih.gov/pubmed/21090577>

## **Elemental depth profiling of fluoridated hydroxyapatite: saving your dentition by the skin of your teeth?**

In both cases, however, the fluoridation affects the surface only on the nanometer scale, which is in contrast to recent literature with respect to XPS analysis on dental fluoridation, where depth profiles of F extending to several micrometers were reported.

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topical only (not ingestion)

enamel is only 6nm (miniscule)

Only a nano-layer of your tooth absorbs fluoride, from surface contact, new research shows. Not only does fluoride not reduce tooth decay by being swallowed, it may not even help by brushing it on the surface, it now appears.

The research shows the layer is up to 100 times thinner than previously estimated - only 6 nanometres. That is 1/10,000th the width of a human hair. Such a thin layer is quickly worn off by normal chewing. The question has to be asked "how can this have any effect on tooth decay?," the researchers query.