

From: Anita Knight
To: <coshita@oehha.ca.gov>
Date: 3/5/2009 8:41 PM
Subject: Re: Proposition 65 Implementation - Fluoride and Salts

Dear Cynthia Oshita,

I live near Tampa, Florida, Hillsborough and Polk Counties where the phosphate mines and fertilizer industries are the source of the commercial grade fluoridation agents.

In my archaeological book: "The Geology of Florida", 1997, University Press of Florida, page 143 notes:

"In addition to uranium, fluorine is an economical byproduct of phosphoric-acid production. The fluorine from the rock reacts with silica to form SiF₄ gas. During acid production this gas is recovered as fluorosilicic acid (H₂SiF₆) in wet scrubbers that are part of the environmental protection equipment. Fluorosilicic acid is widely used in the preparation of chemical compounds and in the treatment of public drinking water."

The AWWA Standard for Fluorosilicic Acid B703-06 notes in foreword the same data as above with even more details. Page 13 is an entire page of contaminants ranging from heavy metals as arsenic, lead and more down to uranium and radium 226-228 and Alpha and Beta particles. All low levels but can be cumulative in the body. Cooking with fluoridated water does not cause the fluorides to evaporate, but do accumulate. Processed beverages and foods will also have higher levels, but are not included on labels.

My U.S. Congressman Bill Young sent me his copy of National Academy of Sciences' report for Congress, 1993: "Health Effects of Ingested Fluoride". Page 11 notes: "The subcommittee found inconsistencies in the fluoride toxicity data base and gaps in knowledge. Accordingly it recommends further research in the areas of total fluoride intake, dental fluorosis, bone strength and fractures, and *carcinogenicity.*"

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**I am forwarding another government document that was even more informative: Toxicological Profile for Fluorides, Hydrogen Fluoride, and Fluorine (F), 1993. Please see especially pages: 112 (subsets of the population unusually susceptible to the toxic effects of fluoride and its compounds are the elderly, people with deficiencies of calcium, magnesium, vitamin C, and people with cardiovascular and kidney problems.), 125 (Neurotoxicity), 128, and 129 (ongoing studies).

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The first Toxicological Profile for fluorides, hydrogen fluoride, and fluorine (F) <<http://www.fluoridealert.org/ATSDR-Fluoride.pdf>> was published by ATSDR in April 1993. Report No. ATSDR/TP-91/17. ATSDR was mandated by the US Congress in 1987 to prepare toxicological profiles for hazardous substances at Superfund sites (on the National

Priorities List) "that pose the most significant potential threat to human health, as determined by ATSDR and EPA." Currently there are 275 hazardous substances in this category. In 1987, 150 hazardous substances were identified, and fluoride was included in that list.

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