From: Joyce Donohue
To: Donohue, Joyce
Subject: Fw: Answering Sussman"s Questions on Fluoride
Date: Thursday, May 02, 2013 1:51:55 PM

Joyce M. Donohue, Ph.D.
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----- Forwarded by Joyce Donohue/DC/USEPA/US on 05/02/2013 01:45 PM -----

From: Joyce Donohue/DC/USEPA/US
To: Kelly Sherman/DC/USEPA/US@EPA
Date: 11/19/2010 01:26 PM
Subject: Re: Fw: Answering Sussman's Questions on Fluoride

No we do not get the same answer. I sent all the data so that Mike could determine why? The concentration calculations do not include any fluoride from toothpaste and do include sulfuryl fluoride. Values were derived for both mean and 90th perceintile intakes.

At the mean water intake the limiting concentration for drinking water is 0.9 mg/L for the 0.5 to < 1 year age group derived for those who use powdered formula for their infants. that is the largest group based on what we received from FDA. The concentration for the 1-<4 year olds with mean drinking water intakes is 1.5 mg/L. None of our values is a match for what you sent.

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Kelly Sherman---11/19/2010 12:55:49 PM---Thanks, Joyce. Your concentration calcuations are helpful, but they don't directly answer Sussman's

From: Kelly Sherman/DC/USEPA/US

To: Joyce Donohue/DC/USEPA/US@EPA

Cc: Cynthia Dougherty/DC/USEPA/US@EPA, Elizabeth Doyle/DC/USEPA/US@EPA, Eric Burneson/DC/USEPA/US@EPA, William Jordan/DC/USEPA/US@EPA, Wynne Miller/DC/USEPA/US@EPA, Michael Doherty/DC/USEPA/US@EPA

Date: 11/19/2010 12:55 PM

Subject: Re: Fw: Answering Sussman's Questions on Fluoride

Thanks, Joyce. Your concentration calcuations are helpful, but they don't directly answer Sussman's question, which is -- what changes have to happen to the other sources of fluoride exposure in order to keep the sulfuryl fluoride tolerances.

Specifically, he wants to know what the water concentration would have to be to keep the aggregate exposure estimate for children younger than 4 years below the RfD of 0.08 if we assume (1) no fluoride exposure from toothpaste; (2) mean water intake; and (3) SF is a source of exposure.

Our calculations show that the answer to that question is 1.97 mg F/L. Do you get the same answer to that question?

Re the population estimates - thanks for the information. We need to caucus here to figure out exactly what to relay back to Sussman.

Thanks!

Kelly Sherman
Office of Pesticide Programs
U.S. Environmental Protection Agency
(703) 305-8401

Joyce Donohue---11/19/2010 11:47:37 AM---Dear Kelly: Attached are our calculations for the three youngest age levels in our analysis. Our re

From: Joyce Donohue/DC/USEPA/US

To: Kelly Sherman/DC/USEPA/US@EPA

Cc: Cynthia Dougherty/DC/USEPA/US@EPA, Elizabeth Doyle/DC/USEPA/US@EPA, Eric Burneson/DC/USEPA/US@EPA, William Jordan/DC/USEPA/US@EPA, Wynne Miller/DC/USEPA/US@EPA

Date: 11/19/2010 11:47 AM

Subject: Re: Fw: Answering Sussman's Questions on Fluoride

Dear Kelly:

Attached are our calculations for the three youngest age levels in our analysis. Our results differ from those in your e-mail. We did the calculations using our 1 tooth brushing per day. Using two brushings would decrease the water concentrations left for drinking water. We also provided the concentrations at the 90th percentile drinking water intakes which are used by the Office of Water. Please let me know if you have any questions?

[attachment "Concentration and population estimates_wfm.doc" deleted by Joyce Donohue/DC/USEPA/US]

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