Message

From: Behl, Betsy [Behl.Betsy@epa.gov]
Sent: 12/1/2017 11:09:09 PM
To: Beck, Nancy [Beck.Nancy@epa.gov]; Dourson, Michael [dourson.michael@epa.gov]
CC: Forsgren, Lee [Forsgren.Lee@epa.gov]; Nagle, Deborah [Nagle.Deborah@epa.gov]; Strong, Jamie [Strong.Jamie@epa.gov]; Ohanian, Edward [Ohanian.Edward@epa.gov]; Grevatt, Peter [Grevatt.Peter@epa.gov]; Bertrand, Charlotte [Bertrand.Charlotte@epa.gov]; Wambaugh, John [Wambaugh.John@epa.gov]; Sinks, Tom [Sinks.Tom@epa.gov]
Subject: PFOA and PFOS documents requested
Attachments: ATSDR_PFAS_OWcomments 6-20-2017.docx; 2014 DRAFT HESD PFOA.pdf; 2014 DRAFT HESD PFOS.pdf; EPR EPA 2014 DRAFT HESD PFOA AND PFOS.pdf; Lau et al., 2006.pdf

Thank you for the opportunity to describe to you the process we followed and the derivation of the drinking water health advisories for PFOA and PFOS published in 2016. Above are links to several documents you requested as well as a link below to the PFOA and PFOS health advisory documents and the PFOA and PFOS health effects support documents. The health advisory documents have a discussion of Immunotoxicity findings in the Effects Characterization sections which may interest you, given ATSDR's emphasis.

1. Here is the link to the final documents and our response to peer review comments: https://www.epa.gov/ground-water-and-drinking-water/supporting-documents-drinking-water-health-advisories-pfoa-and-pfos

2. Attached are the 2014 drafts and peer review comments

3. Attached are OW's comments (see below) to ATSDR on the draft Tox Profile from June 2017

4. Attached is copy of PFOA critical study by Lau et al 2006

5. ATSDR draft (June 2017) critical studies/effects and MRL development for PFOA:

   Neurodevelopmental effects/altered activity and skeletal alterations in mice offspring [Koskela et al. (2016); Onishchenko et al. (2011)]

   Modeled average serum values using a peer-reviewed pharmacokinetic model developed by ORD (Wambaugh et al., 2013).

   UF = 300 (LOAEL –10, animal-human – 3, human variability – 10)

   Minimum Risk Level (MRL) = $3x10^{-6}$ mg/kg-day

We are providing the OW comments that were sent to ATSDR and will follow up early next week with the consolidated EPA comments that went to ATSDR in June, once we get them from ORD. I believe several offices made points similar to the OW comments. You also indicated an interest in the early studies done by OSCPP. We are trying to locate those as well and will send next week.

Please let me know if there is other information we discussed that you would like to review and we will do our best to provide it.

Best, Betsy
Elizabeth (Betsy) Behl, Director
Health and Ecological Criteria Division, 4304-T
Office of Science and Technology, Office of Water

United States Environmental Protection Agency
1200 Pennsylvania Avenue, NW
Washington DC 20460

phone: 202.566.0788
room 5233H