STATE OF NEW HAMPSHIRE

Department of Environmental Services

Environmental Health Program

Inter-Department Communication

To: James Martin **Date:** September 3, 2019

From: Jonathan M. Ali, Ph.D. **Cc:** Clark Freise

RE: *Correction to Typo in the June 2019 PFAS MCL Technical Support Document*

It has been brought to the attention of the Permitting & Environmental Health Bureau that there is a typographical error in the description of the perfluorooctane sulfonic acid (PFOS) reference dose (RfD) derivation. Specifically, the last sentence at the bottom of page 10, the current document reads:

> "*As a result, NHDES agreed with the use of the NOAEL (2,620 ng/mL) for IgM suppression (Dong et al., 2011) instead of the lower NOAEL of 674 ng/mL (Dong et al., 2009) as a POD*."

However, on the following page, the point of departure (POD) used for the calculation of the RfD is **2,360 ng/mL** instead of the **2,620 ng/mL** described above. The sentence on page 10 should have referred to the POD as 2,360 ng/mL from Table 1 of Dong et al. (2011), not 2,620 ng/mL. This was an error in the text that was not carried into the calculation of the PFOS RfD (3.0 ng/kg-d), and therefore does not affect the final recommendation of the document for a maximum contaminant level (MCL) of 15 ng/L.

Please contact the NHDES Permitting & Environmental Health Bureau at (603) 271-1370 with any questions regarding this memo, or other issues related to the June 2019 PFAS MCL Technical Support Document.

References

Dong GH, Liu MM, Wang D, et al. 2011. Sub-chronic effect of perfluorooctanesulfonate (PFOS) on the balance of type 1 and type 2 cytokine in adult C57BL6 mice. Arch Toxicol 85(10):1235-1244.

New Hampshire Department of Environmental Services (NHDES). 2019. Summary Report On the New Hampshire Department of Environmental Services Development of Maximum Contaminant Levels and Ambient Groundwater Quality Standards for Perfluorooctanesulfonic Acid (PFOS), Perfluorooctanoic Acid (PFOA), Perfluorononanoic Acid (PFNA), And Perfluorohexanesulfonic ACID (PFHxS). https://www4.des.state.nh.us/nh-pfas-investigation/wp-content/uploads/r-wd-19-01.pdf