

From: [Busch, Stephen \(DEQ\)](#)
To: [Benzie, Richard \(DEQ\)](#); [Rosenthal, Adam \(DEQ\)](#); [Prysby, Mike \(DEQ\)](#)
Subject: RE: TTHMs in Flint
Date: Thursday, July 16, 2015 11:03:52 AM

I think it is important to point out that the standard is based on water representative of what is in the public distribution system, not site plumbing systems. I had a similar discussion with UofM Flint about levels analyzed in their plumbing system. While the MCLG's for the various forms is in some cases 0, my understanding is that exposure at 80 ppb is not directly tied to specific health effects, but rather what is essentially feasible for water systems to achieve at the current time while balancing the need for disinfection.

Per EPA,

EPA has regulated DBPs since 1979 to address health risks posed by a potential association between chlorinated drinking water and cancer, particularly bladder cancer. Current reproductive and developmental health effects data do not support a conclusion at this time as to whether exposure to chlorinated drinking water or disinfection byproducts causes adverse developmental or reproductive health effects, but do support a potential health concern. Although uncertain, the combined health data warrant EPA's promulgation of the Stage 2 Disinfection Byproduct Rule to provide an incremental step towards mitigating potential risks.

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From: Benzie, Richard (DEQ)
Sent: Wednesday, July 15, 2015 1:25 PM
To: Rosenthal, Adam (DEQ); Prysby, Mike (DEQ); Busch, Stephen (DEQ)
Subject: TTHMs in Flint

Just had a call from a resident of Flint whose neighbor was told yesterday by the city to not drink the water because the TTHM level at her home was 95 ppb. The caller wanted to know if animals should be consuming the water. I told her she would have to consult with a toxicologist or someone familiar with veterinary medicine. I told her animals are less susceptible to some contaminants but more so to others, but as engineers and analysts, we were not the ones that would make that decision – we just pass it on if we find out.

She asked about other TTHM sampling locations and where they were in the city. I told her to contact one of you, starting with Adam.