WAYNE STATE UNIVERSITY
COLLEGE OF ENGINEERING

November 14, 2016

Dear FACHEP participant:

On 10/15/2016, members of the Flint Area Community Health and Environment Partnership (FACHEP) collected water samples from your home and a swab of biofilm from your shower fixture to test for *Legionella* bacteria. These samples were assigned a number so that we could easily track them. The water samples collected from your house were assigned the sample ID number of 90146.

Legionella is a waterborne bacterium that can cause Legionnaires' disease. Legionnaires' disease is contracted by breathing in water vapor that contains *Legionella* bacteria. While *Legionella* bacteria can be a source of concern, the bacteria reside in natural bodies of water and are often found in low levels in water systems considered to be operating properly. For more information about Legionnaires' disease, please see the attached *Frequently Asked Questions* document.

Based on our analysis, Legionella bacteria was detected in the following samples:

Location	Type	Concentration (CFU/mL)
Shower Water	Possible Legionella species (not Legionella pneumophila)	Not Determined

The presence of free chlorine in public water distribution systems is intended to reduce the likelihood that *Legionella* and other bacteria will grow within your home water system. The concentration of free chlorine in the water entering your kitchen was found to be **1.50 ppm** after 5 minutes of flushing.

Additional information regarding what these results mean can be found attached. We thank you for participating in our study of Flint drinking water quality. Our research will continue, and we may contact you again in the future. If you have any questions, please do not hesitate to contact the FACHEP team (844-35-FLINT; Flintpartnership@wayne.edu).

Sincerely,

Shawn P. McElmurry, PhD, PE
Principal Investigator FACHEP

Enclosure

DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

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