
From: Prysby, Mike (DEQ)
Sent: Wednesday, September 10, 2014 2:15 PM
To: 'bwright@cityofflint.com'
Cc: Busch, Stephen (DEQ)
Subject: Flint Distribution System OEL
Attachments: TTHM - OEL letter.pdf

Brent,

Attached is a compliance communication letter to the city of Flint confirming the two most recent rounds of TTHM/HAA5 monitoring. Based upon the sampling results, the city will need to proceed with an Operational Evaluation of the treatment and distribution operational practices in effort to minimize future exceedances.

The MDEQ will not be available to participate at tomorrow's 10am press conference. While the unexpected closure of the two transmission main valves may have exasperated a total coliform MCL violation– it may be pre-mature in pinpointing the closed valves as the source of the total coliform MCL. Did the closure of these valves create low pressure conditions in the affected area (<35psi – utilize hydraulic model to confirm) ? If low pressure, then any discovered cross connections – illegal connections – leaks – breaks could suggest contaminants entered the system. Low chlorine residuals due to longer transmission time (in part to the closed valves) would likely not provide adequate disinfection – especially in areas of tuberculation, biofilm, or phosphate coating on the interior pipe walls. Although the BWA is rescinded, please continue to investigate all of the other potential causes that Steve and I have provided.

Michael Prysby, P.E.
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