



RICK SNYDER  
GOVERNOR

STATE OF MICHIGAN  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
LANSING



KEITH CREAGH  
DIRECTOR

February 19, 2016

VIA E-MAIL AND U.S. MAIL

Mr. Michael Glasgow  
Utilities Administrator  
City of Flint  
1101 South Saginaw Street  
Flint, Michigan 48502

Dear Mr. Glasgow:

SUBJECT: City of Flint – Distribution System Water Quality Optimization Plan (Plan) –  
U.S. Environmental Protection Agency (EPA) Order Item #62

The purpose of this letter is to summarize previous e-mails, conversations, and meetings regarding the need for the above-referenced information, specifically by the EPA deadline of February 20, 2016.

As has been conveyed, the Plan from the city of Flint is required by EPA Order Item #62. As has also been communicated, to ensure compliance with the EPA Order, the Plan should include a detailed approach for the Flint water system to improve drinking water quality beyond compliance levels to increase public health protection through: (1) enhanced process monitoring and control, (2) using existing staff and facilities, and (3) measuring performance relative to optimization goals.

While the Michigan Department of Environmental Quality (MDEQ) recognizes receipt of the city of Flint's outline for the development of a Plan, consistent with previous communications, additional information is needed in the Plan to identify resources, equipment, expertise, time lines, and milestone identification for the completion of the various components required to be provided in the Plan.

To again convey, the Plan should include information relative to: compliance with regulatory requirements, monitoring and control, disinfectant residual maintenance, internal corrosion monitoring and control, aesthetic water quality parameters, customer relations, system flushing, distribution system management programs, backflow prevention, permeation prevention, water loss, valve exercising and replacement, fire hydrant maintenance and testing, material in contact with portable water, metering, flow, design review for water quality, energy management, facility operations and maintenance, treated water storage facilities, pump station operations and maintenance, pipeline rehabilitation and replacement, disinfection of new or repaired pipes, documentation, control of records, human resources, competence, awareness, and training.

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While the undertaking of the development of this Plan will take significant effort, the MDEQ has conveyed its willingness to provide advice, review, and guidance in its development; but it cannot be reiterated enough that specific commitments must be conveyed not only from you as the Utilities Administrator, but from the city of Flint to implement and continue compliance with the Plan.

Should you have any questions or need additional information, please do not hesitate to contact the MDEQ.

Sincerely,



Jim Sygo  
Chief Deputy Director  
517-284-6709

cc: Mayor Karen Weaver, City of Flint  
Brigadier General Michael C.H. McDaniel (Ret.), City of Flint  
Mr. Darren Lytle, EPA  
Mr. Keith Creagh, Director, MDEQ