

**Rennaker, Joanne (DEQ)**

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**From:** Laura Sullivan <dr.laura2@gmail.com>  
**Sent:** Monday, July 20, 2015 10:40 PM  
**To:** gdn2@aol.com  
**Cc:** hcroft@cityofflint.com; bwright@cityofflint.com; dwalling@cityofflint.com; donna.cole@genesys.org; gambrose@cityofflint.com; jhenry@gchd.us; jllorenz@cityofflint.com; jmikewright@yahoo.com; jherman@genesys.org; jfobrien@gcdcwvs.com; ksmith@flint.org; larry.koehler@mcc.edu; mglasgow@cityofflint.com; Wright.Michael@epa.gov; mjlane@umflint.edu; Prysby, Mike (DEQ); nhenderson@cityofflint.com; nbirchm1@hurleymc.com; plevine@gcms.org; rbincsik@cityofflint.com; rosejo@msu.edu; Russell.Hudson@mclaren.org; SFMatta@lan-inc.com; jwgreen@lan-inc.com; mike49@sargentstitle.com  
**Subject:** Re: Water Quality Update

My reading of planning documents for the KWA suggests that once untreated water arrives in Flint, some of it will be sold to GM. Depending on residential water need, it will sometimes be necessary to add water from the Flint River to the remaining untreated KWA water prior to treatment for distribution to residents. Given this, it seems critical that filtration through GAC be considered permanent.

Veolia is pursuing privatization of Great Lakes water, and they specifically recommended that GAC be installed inline when making their report to Flint in February.

Laura Sullivan

On Wednesday, July 15, 2015, <gdn2@aol.com> wrote:  
Hello Howard,

Would you share with us whether the Granulated Activated Carbon system will remain in affect with the new water supply from Port Huron for the city of Flint (and possibly the county)? A patient of mine from Flushing asked and I could not answer. It would seem to be an excellent idea both from the standpoint of decreased toxic chemical/metal exposure, taste and safety of the citizens it could serve.

Thank you,

Gerald Natzke DO FAAEM  
GCMS Board Representative

-----Original Message-----

From: Howard Croft <hcroft@cityofflint.com>  
To: Laura Sullivan <dr.laura2@gmail.com>  
Cc: Brent Wright <bwright@cityofflint.com>; Dayne Walling <dwalling@cityofflint.com>; donna.cole <donna.cole@genesys.org>; gdn2 <gdn2@aol.com>; Gerald Ambrose <gambrose@cityofflint.com>; Howard Croft <hcroft@cityofflint.com>; James Henry <jhenry@gchd.us>; Jason Lorenz <jlorenz@cityofflint.com>; jmikewright <jmikewright@yahoo.com>; JoAnne Herman <jherman@genesys.org>; John O'Brien <jfobrien@gcdcwvs.com>; Kirk Smith <ksmith@flint.org>; larry.koehler <larry.koehler@mcc.edu>; Michael Glasgow <mglasgow@cityofflint.com>; Michael Wright <Wright.Michael@epa.gov>; Mike Lane <mjlane@umflint.edu>; Mike Prysby (DEQ) <prysbym@michigan.gov>; Natasha Henderson <nhenderson@cityofflint.com>; Norb Birchmeier <nbirchm1@hurleymc.com>; Pete Levine <plevine@gcms.org>; Robert Bincsik <rbincsik@cityofflint.com>; rosejo <rosejo@msu.edu>; Russell Hudson <Russell.Hudson@mclaren.org>; Samir Matta <SFMatta@lan-inc.com>; Warren Green <jwgreen@lan-inc.com>; Michael Sargent <mike49@sargentstitle.com>

Sent: Fri, Jun 26, 2015 3:41 pm  
Subject: Re: Water Quality Update

As a follow up to this afternoon's email, I am answering several questions that have subsequently been asked.

The vendor is "Calgon Carbon" with headquarters in Pennsylvania. They are both the supplier of the material and the installer as well. After initial designs were approved by the DEQ, various water samples from the Flint River were drawn and sent to Calgon for two weeks of testing under various conditions to try and gauge the effectiveness of the specific carbon filters chosen. Flow rate and temperature tests were performed by our engineering firm LAN at the water plant prior to the design being developed and forwarded to the DEQ. The filter media is Granulated Activated Carbon and the first filters are scheduled for installation to begin following the 4th of July weekend.

Please forward me any additional questions that may arise.

Thank you,

On Fri, Jun 26, 2015 at 3:25 PM, Laura Sullivan <dr.laura2@gmail.com> wrote:  
Hello Howard,

Could you provide the following information to the team?

You refer to a vendor - is this the supplier of the new filter media? Testing the efficacy of the media should not be conducted by the vendor.

What tests have been conducted and under what circumstances (flow rate, temperature)? From what location was the water used in these tests collected?

What is the identity of the filter media? Is it GAC?

Yours truly,  
L Sullivan

On Friday, June 26, 2015, Howard Croft <hcroft@cityofflint.com> wrote:

Technical Team,

I am writing to provide you an update on the City's ongoing plan to improve the water quality in the City of Flint.

This morning, the U of M Flint announced that recent testing showed TTHM levels slightly above the MCL in two of its buildings. The City responded to this recent information of concern with increased flushing in the area where subsequent internal tests have shown the levels to have subsided to under than 80 ppb.

The TTHM level leaving the water plant is currently in the 45 -55 ppb range and in areas with minimal circulation the level can rise by the time it reaches a tap.

The installation of new filter media at the water plant which is designed to greatly reduce the TTHM level in the plant is ahead of schedule and is expected to be installed by mid-July. The DEQ has approved the design and actual testing by the vendor over the past two weeks has verified that the selected media should work. **This is expected to have an immediate impact on TTHM levels.**

In addition to the filter installation, we have engaged in increased valve exercising over the last two months and have checked over half of the 7,000 valves in the system. The valve turning has a tendency to result in temporary water discoloration but increases the overall water circulation and identifies areas where valves are inoperable.

Our annual Consumer Confidence Report will be distributed in early July and will contain significant information about the water system. We will also include the notice of our recent quarterly testing in which all eight sites were verified to be under the MCL but the running average at one site required a notice to be sent.

I will email everyone when we schedule the next TAC team meeting which we have currently targeted for mid-August.

—  
**Howard Croft**  
Public Works Director  
City of Flint  
1101 S. Saginaw Street  
Flint, MI 48502