

Rennaker, Joanne (DEQ)

From: Prysby, Mike (DEQ)
Sent: Thursday, May 21, 2015 4:10 PM
To: Busch, Stephen (DEQ)
Subject: FW: Flint Filter Media Change to GAC
Attachments: GAC-basis-of-design.pdf

Steve,

Below is Jeff's message regarding the use of GAC (Filtrisorb series) at some of our WTPs in Michigan.

Michael Prysby, P.E.
 District Engineer
 Office of Drinking Water and Municipal Assistance
 517 290-8817

From: Hansen, Jeff [<mailto:jrhansen@lan-inc.com>]
Sent: Wednesday, May 20, 2015 11:20 AM
To: Prysby, Mike (DEQ)
Cc: Matta, Samir; Green, Warren; Brent Wright (bwright@cityofflint.com); mglasgow@cityofflint.com
Subject: Flint Filter Media Change to GAC

Hi Mike,

Attached is our preliminary basis of design. We are currently working through details with GAC suppliers to determine the best specific media for Flint, but the Filtrisorb 300 and 400 series from Calgon or equivalent appear to be the best suited. Please note that both meet AWWA B604, but are questionable by Ten States Standards (TSS) as TSS are non-specific for GAC capping. According to Calgon, their Filtrisorb product has been approved by DEQ at numerous plants including Ann Arbor, Grosse Pointe Farms, Manistique, and Alpena.

Also note we intend to add a chlorine feed point following filtration while maintaining the intermediate feed point, with valving, so chlorine can be added at either point. The intermediate feed point prior to filtration can then be used as a means of disinfecting the filters in the future, if necessary.

Jeffrey R. Hansen
 Senior Project Manager



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