

Busch, Stephen (DEQ)

From: Lytle, Darren <Lytle.Darren@epa.gov>
Sent: Monday, January 04, 2016 1:27 PM
To: Busch, Stephen (DEQ)
Cc: Prysby, Mike (DEQ)
Subject: RE: Quesion

Thanks much. Really appreciate it. We are planning to visit Flint later this month. Sounds has been a bit happening over the last month or so. Darren

Darren A. Lytle, Ph.D., P.E.
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From: Busch, Stephen (DEQ) [mailto:BUSCHS@michigan.gov]
Sent: Monday, January 04, 2016 1:02 PM
To: Lytle, Darren <Lytle.Darren@epa.gov>
Cc: Prysby, Mike (DEQ) <PRYSBYM@michigan.gov>
Subject: RE: Quesion

Darren,

Adam was able to pull the info you requested and it is in the attached email, there are 4 pdfs.

Stephen Busch, P.E.
 MDEQ Lansing District Coordinator
 Office of Drinking Water and Municipal Assistance
 Lansing and Jackson District Supervisor
 517-643-2314
buschs@michigan.gov

From: Lytle, Darren [mailto:Lytle.Darren@epa.gov]
Sent: Thursday, December 17, 2015 6:55 AM
To: Prysby, Mike (DEQ)
Cc: Busch, Stephen (DEQ)
Subject: Quesion

Mike,

Could you provide me Flint distribution system water quality data going back maybe 3 years? I am interested in TCR sampling results, chlorine data, etc... I am interested in comparing historic data to the latest data albeit more extensive now as it comes in.

Thanks much, Darren

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From: Prysby, Mike (DEQ) [<mailto:PRYSBYM@michigan.gov>]
Sent: Friday, October 16, 2015 1:32 PM
To: Lytle, Darren <Lytle.Darren@epa.gov>; Schock, Michael <Schock.Michael@epa.gov>
Cc: Busch, Stephen (DEQ) <BUSCHS@michigan.gov>
Subject: FW: Flint WTP PH2 SEG4 - Corrosion Control

Darren, Michael

We have received Flint's corrosion control proposal from their consultant. If you have comments, please provide them to me by Monday morning.

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

From: Matta, Samir [<mailto:SFMatta@lan-inc.com>]
Sent: Friday, October 16, 2015 12:02 AM
To: Prysby, Mike (DEQ)
Subject: Flint WTP PH2 SEG4 - Corrosion Control

Hi Mike,

Please see attached plans for the Corrosion Control Plan for the City of Flint. I will have the official submittal package to you tomorrow afternoon after I get Brent or Mike's signature on the permit application. I will call you when I get back in Lansing to drop the package. Is three sets of full size plans adequate? Would you like some half size plans? Let me know.

Basis of Design

Given that Flint will require lead and copper corrosion control and given that Detroit utilizes orthophosphate for their corrosion control methodology, and that Flint will be receiving Detroit water for the immediate future, orthophosphate is the appropriate corrosion control methodology for Flint. A dosage of 0.8 mg/l as PO₄ has been recommended for the Detroit water. Numerous utilities utilizing Lake Michigan water have a target dosage of 0.9 mg/l as PO₄. Therefore, a target dosage in the range of 0.8 to 0.9 mg/l appears appropriate.

It is expected that, at least initially, there will be a significant PO₄ demand in the system. This will require a significantly higher dosage until this demand is satisfied and the target residual can be maintained. We are therefore designing for capability of a maximum dosage of 1.5 mg/l.