
From: Matta, Samir <[REDACTED] PPI>
Sent: Monday, October 26, 2015 10:43 AM
To: Prysby, Mike (DEQ)
Subject: City of Flint Corrosion System Review.

Hi Mike,

I have been asked whether the MDEQ/EPA is going to have a formal response/review comments to what is needed for us to obtain the permit. I mentioned that based on our discussion that if we provide the information below, we will be able to get the permit issued.

- City of Detroit residual is around 0.4 to 0.5 mg/L as PO₄
- MDEQ wants Flint to maintain a residual of approximately 1.0 mg/L as PO₄
- Feed pump capacity should be sized to address a max dose of 2.0 mg/L as PO₄
- Cut sheets and MSDS from the City's supplier

Please let me know if you require anything else and/or if a formal response will be forthcoming.

Thanks.

Samir F. Matta, PE
Senior Project Manager



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From: Matta, Samir [PPI]
Sent: Thursday, October 29, 2015 2:25 PM
To: Prysby, Mike (DEQ)
Cc: Busch, Stephen (DEQ); Natasha Henderson (nhenderson@cityofflint.com); hcroft@cityofflint.com; Green, Warren; Mike Glasgow (MGlasgow@CityofFlint.com); Brent Wright (bwright@cityofflint.com); Hansen, Jeff
Subject: FW: Flint WTP PH2 SEG4 - Corrosion Control
Attachments: LMI Series C Pumps.pdf; NSFPhosAcidSpecs.pdf; PhosAcidSafetyDataSheet.pdf; Flint Phosphate Calculations - Revision 4.pdf

Hi Mike,

I just wanted to follow up on the email below and get your estimation on when the permit will be issued. Are you requiring any additional data before a decision can be made?

The calculation that we developed meets with the requirement of the feed rates as agreed to between your office and the EPA based on the email from Stephen Busch to the EPA on November 22, 2015. The pumps were resized to handle the anticipated Max feed rates requested. We are assuming that since we are using the chemical used by DWSD for corrosion control, we are not required to go thru a study phase.

Additionally, during our review of the email trail with EPA, we noticed that the EPA did recommend that Jar Testing be done to evaluate the impact of the orthophosphate dose on turbidity of the DWSD water. Stephen has also noted that a treatability study will need to be conducted on the KWA water in conjunction with the Flint WTP processes to optimize the corrosion control treatment needed before use in the system.

Does the permit to be issued going to highlight more specific requirements on the duration(s), method(s) and reporting needed for each of the testing required before implementation is allowed into the system?

Your assistance and feedback are greatly appreciated to make sure that our timeline for the introduction of the initial corrosion control into the DWSD water and its future implementation into the KWA Raw feed can be accurately depicted in our discussions with the City and KWA.

Thank you very much for your continued support.

Samir F. Matta, PE

Team Leader



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From: Matta, Samir
Sent: Tuesday, October 27, 2015 4:12 PM
To: prysbym@michigan.gov
Cc: Brent Wright (bwright@cityofflint.com); Mike Glasgow (MGlasgow@CityofFlint.com)
Subject: FW: Flint WTP PH2 SEG4 - Corrosion Control