

Rennaker, Joanne (DEQ)

From: Busch, Stephen (DEQ)
Sent: Monday, July 06, 2015 3:21 PM
To: 'Hansen, Jeff'
Cc: Matta, Samir (SFMatta@lan-inc.com); JWGreen@lan-inc.com;
 mglasgow@cityofflint.com; Brent Wright (bwright@cityofflint.com);
 prysbym@michigan.gov
Subject: Flint WTP GAC Permit Application

Our office received the permit application "Flint WTP Phase II, Segment 3 Filter Media Replacement" on June 30, 2015.

The only specifications provided with the permit application were for the following:

- 05550 Bolts, Anchor Bolts And Expansion Anchors
- 09928 Protective Coating Systems

Aside from information shown on the plan sheets and what was listed in the previously submitted basis of design document, no other specifications were provided regarding:

- GAC and Sand media, including removal, installation, ripening, and disinfection procedures
- Chlorine piping, joints, valves, installation, support, etc.
- Water tight hatch to be installed
- Chlorine gas detector equipment

Regarding the Protective Coating Systems specs and their related appendix, these are general in nature listing every part of the plant as potentially being recoated. Plan notes discuss a few items to be coated/recoated, but it is not entirely clear what the full scope of the coating work will consist of.

We request any additional specification information regarding the above be provided for approval.

It is also noted that the basis of design is based on a flow of 30 MGD, approximately 2.5 gpm/ft² filter loading rate. The existing filters are currently rated for 36 MGD at 3 gpm/ft². This would cause the WTP capacity rating to be lowered to 30 MGD. Any future request to expand filter capacity back to 36 MGD would need to be demonstrated through filter performance testing.

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

Rennaker, Joanne (DEQ)

From: Busch, Stephen (DEQ)
Sent: Tuesday, March 11, 2014 12:58 PM
To: Daugherty Johnson (djohnson@cityofflint.com); Brent Wright (bwright@cityofflint.com)
Subject: Flint WTP Groundbreaking

Thanks for the invitation to the WTP groundbreaking. Unfortunately, I have a prior engagement already scheduled for that day and will not be able to attend. Hopefully you will be able to break into sand and not snow!

Stephen Busch, P.E.
Lansing and Jackson District Supervisor
Office of Drinking Water and Municipal Assistance
MDEQ
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