

Rennaker, Joanne (DEQ)

From: Busch, Stephen (DEQ)
Sent: Thursday, June 13, 2013 9:26 AM
To: Antil, Jeffrey (DEQ); Brennan, Patrick (DEQ); Chuhran, Laura (DEQ); Doyle, Mark (DEQ); Drake, Jerry (DEQ); DuMont, Ralph (DEQ); Joseph, Mark (DEQ); Prysby, Mike (DEQ); Rennaker, Joanne (DEQ); Rosenthal, Adam (DEQ); Skinker, Bethel (DEQ)
Subject: FW: ODWMA site visits

FYI. I went over our lists with Liane yesterday. If you have any questions or concerns about these let me know. We'll see how they pan out with the Director and other Divisions' sites.

Thanks for providing these ideas. These visits are going to be ongoing so if you think of something else, let me know and we see about adding it for consideration.

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From: Shekter Smith, Liane (DEQ)
Sent: Wednesday, June 12, 2013 4:15 PM
To: Thelen, Mary Beth (DEQ)
Cc: Shaler, Karen (DEQ); Sygo, Jim (DEQ); Willard, Veronica (DEQ); Butler, Sonya (DEQ); Hoffman, Kelly (DEQ); Donaldson, Kristina (DEQ); Thomas, Chuck (DEQ); Busch, Stephen (DEQ); Lachance, Amy (DEQ); Bloemker, Jon (DEQ); Benzie, Richard (DEQ); Monosmith, Carrie (DEQ); DeBruyn, Dana (DEQ)
Subject: ODWMA site visits

As requested, the following suggestions are provided by ODWMA staff for potential district visits –

Lansing District:

- City of Leslie (Ingham Co.); Iron Removal System under construction, existing system is still in operation. This could visually show the improvement to the infrastructure
- City of Williamston (Ingham Co.); Iron Removal System with Radium Blending
- Alma/St. Louis Water System Consolidation (Gratiot Co.); Currently in planning phase, but multimedia with RRD and EPA for contamination issues.
- City of Flint WTP (Genesee Co.); Future of WTP as continuous operation (if can coordinate with next planned Test Run – tentatively scheduled for July)
- KWA (Genesee and Lapeer Co.); Intake and Transmission Improvements

Jackson District:

- Monroe WTP; Individual Filter Equipment Failure – Compliance Assistance to prevent violation
- Monroe LHD/Non-Community system – Karst geology areas identified as susceptible to GW contamination, required to provide complete treatment (Cross Roads Church)
- MDARD and NCWS combined inspection of migrant housing facilities
- Pinnacle Technology Non-Community System – Karst wells, hauled/bottled water mitigation
- Frenchtown Township WTP – Fluoride equipment improvements with MDCH grant funding

- Madison Township/Brazeway (Lenawee Co.)– Wellhead protection issue with contamination site, multimedia with RRD
- Deerfield WTP (Lenawee Co.) LT2 requirements – assistance during Sanitary Survey on reporting requirements and treatment optimization

UP District:

The most noteworthy and recent water supply item in the U.P. is the City of Manistique water treatment plant upgrades. The City has put \$5.8 million into various plant upgrades including adding GAC to the filters, building a new sludge handling system, and adding ozone to the treatment. The ozone is generated at the plant. They had to make some of the upgrades to meet DBP standards. In the last 5 years they have also put approximately \$10 million into other infrastructures improvements.

The ozone implementation is the first in the U.P. Jim Rice worked closely with the City and their engineers during the planning process.

Saginaw/Bay City:

Sometime early this fall, Bay County & City should be having the groundbreaking ceremony for their new membrane WTP. The new plant will be using Lake Huron water. The cooperation between these two governments has been unexpected given their past history. They are replacing a 40 year old conventional softening plant that is twice the capacity that is needed and uses Saginaw Bay water. DWRF monies will be used to fund the construction.

A visit to the city of Saginaw's WTP is another option. The plant was constructed about the same time period as the Highland Park WTP, but the Saginaw WTP was properly maintained. The plant superintendent has an excellent background presentation followed by a plant tour.

SEMI District:

Smiths Creek, St. Clair County SRF project – Michigan Pieces award from EPA

Septage bioreactor project, injects septage into landfill increasing decomposition process and in turn utilizing the landfill gas for energy.

Grand Rapids District:

Wyoming Water Treatment Plant (located between Holland and Port Sheldon on the lakeshore) - significant issues have come up in past years (threat of a permit moratorium, CT compliance, plant interruptions) and they were worked out relatively smoothly by anticipating issues before they became problems and collaborating with the city. This approach has allowed the drinking water program to maintain a good level of compliance with little need for enforcement.

Kalamazoo District:

Benton Harbor Water Treatment Plant – significant plant renovations funded by Drinking Water Revolving Loan Fund. Modifications to the plant completed in 2011.