

January 24, 2017 – Superintendent’s Report

ADMIN UPDATE – January 24, 2017

The annual CMOM Report, required under the City’s Agreed Order with the USEPA, is in process of being compiled and prepared for submission to EPA and IDEM.

Performance Data for 2016 spreadsheet is attached. Some key figures:

1. Average Daily Water Production for 2016 was 4.18 MGD. This number is affected by the accuracy of our plant effluent meters, which were tested at the end of 2016. The results indicate that we had some meter inaccuracies that will impact this number and our total production values. The Fort Harrison Meter tested within AWWA limits for meter accuracy (AWWA C700); the Indian Lake meter under-registered by about 8% and the Richardt meter was replaced at the end of 2016 and a new meter is on-line now and will not be tested until the end of 2017, when all 3 meters will be tested again. The old Richardt meter was not tested as it had already been removed to allow a temporary Doppler-type meter to be installed for the last couple months of 2016. The water audit for 2016 will take this data into account. The Director of Operations is putting together a plan to correct the issues with the Indian Lake meter. The Utility plans on re-deploying the Doppler meter on the fire line serving the LFD training facility on 59th Street in order to obtain more accurate training water usage at this facility.
2. The Sewer Utility pumped 2,433.077 MG of sewage to CEG for treatment in 2016. However, the Utility billed its customers only 1,270.00 MG in sewer charges, a difference of 1,163.00 MG. This equates to roughly \$839K in sewage treatment costs. While this is not by any means a definitive number for the I&I impact, because I&I is not actually measured and our sewer gallons are based on water gallons sold, it is a good indicator that the Sewer Utility needs to get more aggressive about I&I reduction throughout the sewer system. Generally speaking, the water you use tends to go down the sewer, except for watering grass, landscaping, car washing and other outdoor uses. An acceptable rule of thumb is to figure your sewer gallons at about 85% of your water gallons. So, with that in mind, our sewer gallons billed would be roughly 1,078 MG. Rainfall for 2016 was in the normal range for Indiana.
3. The Utility was just over the 6.6 Annual Average Daily Flow volume limits contained in the contract with CEG for sewage treatment. The Peak Daily Flow limit in the contract was exceeded on only 4 occasions in 2016, twice in February and once each in April and October.
4. The annual payment to IDPW was double the normal amount in 2016 due to Indy DPW’s failing to submit an invoice in 2015.
5. Starting in April 2016 an additional amount of gallons are being added to the monthly measured flow to CEG due to lack of a suitable manhole for a regular flow meter to be installed to capture flows from the Kroger complex at 79th & Fall Creek. An agreement was reached with CEG to use the monthly billed water gallons for this complex in order to adjust the total from the ADS flow meters.

The 2016 Water Audit will be completed later this year once all the information is compiled, reviewed and placed in the water audit spreadsheet. Once completed, the report will be distributed to the Board (and other agencies upon request).

There were no significant events or permitting issues with regard to Well Head Protection activity in 2016. However, the recent Indy ReZone initiative and the adoption of a new ordinance for Marion County Health and Hospital Corp resulted in increased enforcement procedures and tighter restrictions on development and redevelopment in Marion County’s well fields. Should the Board desire, a copy of the 2016 Marion County Wellfield Education Corporation (MCWEC) is available and will be provided upon request. Lawrence Utilities has a voting seat on the MCWEC board.

Operational Data:

SANITARY SEWER SYSTEM

- Routine maintenance on lift stations and grinder pumps.
- Routine daily activities.
- Maintaining grounds around Lift Stations.

LOCATES/LEAK LOCATING/VALVE TURNING/HYDRANT MAINTENANCE/INSPECTIONS

- Routine line locates and inspections as needed.
- Routine valve exercising & fire hydrant inspections/repairs.

WATER DISTRIBUTION

- Routine water main/service line repairs and water main valve replacements.
- Maintaining street cuts until final restoration can be made.
- Maintaining grounds at Richardt Maintenance Shop.

WATER PLANT/WELL ACTIVITY

- Routine daily activities and maintenance on Water Treatment Plants.
- 14" Effluent water meter replacement at Richardt WTP has been completed and is on line.
- Purchase order requests have been submitted for approval to make repairs to Well #8 and to have the Well cleaned as part of the work.
- Awaiting Peerless Midwest to get materials delivered and assembled to replace internal components of West aerator. Work should be complete around early February.
- Maintaining Grounds around Water Treatment Plants.

BILLING ADJUSTMENTS:

7543 Bayridge Dr – customer is requesting an adjustment due to a service line leak where the water did not enter the sewer in the amount of \$282.60. We recommend approval.