



City of Derby
Water Pollution Control Authority
August 19, 2015
Meeting Minutes

Carolyn Duhaime– Chairman
Robert Miani
William Boland
Beth Allaire
Rose MariePertoso

Meeting called to Order 6:31pm

Roll Call: Present: Carolyn Duhaime, Beth Allaire, Robert Miani and Rose Marie Pertoso. Also present Lindsay King-Plant Superintendent, Marcy McGuire –Office Administrator Absent: Bill Boland

Public Portion

Dwane Hollow wanted to know how to caculate the bill. He will come in next week.

Mr. Murdy -6 Kindle Lane

Brought in his water company bills his forth quarter was estimated when he had no consumption would like an adjustment . Motion to adjust the bill from \$323.95 to \$283.38 by Ms. Allaire, second by Ms Pertoso. All in favor.

Orange

Lindsay would like to amend Orange intermunicipal agreement so we can charge the capital fee per unit. The way its written now it says their perportional share. We have no way to measure that. Lindsay will contact Atty. Welch.

Referendum Projects

Bills for Weston and Sampson are not being paid in a timely manor.

Account # 500031 and # 619

Marcy would like to delete these two accounts. There had been no consumption for two years. Call water company and find out how many meters are at each property. 49 Pershing Drive and Walgreens. Motion to wait until we know how many meters are at 49 Pershing Drive LLC and Walgreens before we close out accounts, by Ms Allaire, second by Ms. Pertoso. All in favor

Minutes July 13, 2015 and July 15, 2015.

Tabled until next month.

DEEP Order Commerce Street

Given an Order by DEEP a lot of the findings in this Order are not accurate. Lindsay thinks the DEEP should remove the Order or corrected because he can't respond to something that is not correct. Section A is correct. #2 in 2000 we did upgrades in the plant which they approved and funded. #3 Last upgrade was 2000 not 1973. #4 Unless we are shutting down the process we don't have to report to DEEP, we haven't modify the process. We are making our permit. Everyone is certified at the plant except for the janitor. #5 agree. But this was addressed with DEEP #6 correct Our original plan should still stand. #7 They get the monthly reports from us.

This report is from Stela Marusin PE she is Ansonia's rep. she was responsible for the upgrade Ansonia. Looks like they want us to regionalize with Ansonia. And they want to put the pressure on us. It will cost about 13 million dollars for us to pump there. Their plant can't handle our capacity.

Lindsay will draft a response for DEEP. The Mayor is suppose to respond to this.

Commerce Street

Orchard Street tied into sewer. Complaint comes again and Weston and Sampson smoke test area and dye test. Found source joints are going or pipe is cracked, need to put a liner in this pipe and the pipe is undersized. It would cost a fortune to dig up this pipe. Can go out to bid and see if contractor would hold their price. Lindsay estimates it would be about \$30,000.00 for 30 feet. This should be done in the next six months.

Field House

Field house bill adjusted 175,994 gallons for irrigation system not going into sewer.

Office Report

Received \$69,418.11 for reimbursement but \$375.43 was taken out because the City owed the State payroll taxes so it was deducted from the payment.

Superintendent's report

City of Derby Water
Pollution Control
Authority Monthly
Report for the August
19th 2015 Meeting

•• Collection System

- o 7/16, Burger King at 540 New Haven Avenue called due to an sewer odor. The City main was flowing normally.
- o 7/27, 39 Sunset Drive had a backup due to a blockage in their lateral. As the lateral break was suspiciously close to a recent repair made by the WPCA a TV-inspection was done on the main line. The inspection revealed the break was not near the WPCA main and the homeowner hired a contractor to fix it.
- o 7/27, A sewer backup occurred at 62 Mountain Street due to a blocked lateral. The main was operating normally and the resident was told to hire a plumber. The backup appeared to have been occurring over a long period of time and had not been cleaned up nor have the residents stopped using water. Valley Health was called to inform them of the potential issue.
- o 8/6, McDonalds at 44 Division Street called due to a sewer backup. The blockage was in McDonalds lateral and they contacted a plumber. Heavy grease was flushed out of the lateral and later caused Division Street Pump Station to fail and a blockage on Derby Avenue.
- o 8/10, A resident called due to a blocked lateral on 204 Derby Avenue. The sewer main was flowing but with restricted flow so the line was jet-rodded and cleared. Two days later the resident was having the same problem. After having cleaning the main was cleared again of roots and grease.
- o Road Bond: Repairs on East Hawkins are underway but we are experiencing many problems. Previous construction was very poor; huge boulders were left on top of the pipe, the pipe has minimal pitch, old pipes were abandoned on top of the pipe and jury rigged manhole construction are adding to the project cost. In addition gas, water, electric and storm utilities have been built on top of the sewer corridor slowing construction with hand digging, shoring of telephone poles etc...

- Waste-Water Treatment Plant (July)

- o Average Flow = 1.00 million gallons per day

- o Total Flow = 31 million gallons, Max

- o Flow = 1.34 million gallons per day

- o Average Total Nitrogen = 47.25 lbs per day

- 2014 Permit Limit = 71 lbs/day

-

- o Average Effluent BOD = 4.6 mg/l (permit <30 mg/l)

- o Average Suspended

- o Solids = 7.4 mg/l (permit =

- o 30 mg/l)

- o Average Turbidity = 2.8 NTU

- o Some unconventional process control changes have been made to get the plant back into permit compliance. A portion of the treated effluent is returned to the head (beginning) of the plant. This is essentially increasing the flow within the plant but obviously not affecting the flow going to the river. This pushes a slug of water through a tank in less time so for instance if it took 5 hours to get through a tank it now takes 2 1/2 - 3 hours. It also means our influent pumps have to push more water and use more electricity.

- The plant is now stable and discharging a typical high quality effluent. Numerous other process changes were tried but were ineffective so this process change will remain until flows and loading increase.

- Maintenance

- o Aerobic Digester Decant Pump failed and was replaced with a spare submersible pump.

- o The check valve on Influent Pump #2 plugged in the open position and was pulled apart and cleaned

- o A power failure at Patty Ann Pump station caused the drives to trip and set off the alarm.

- o A large influx of grease, probably from McDonalds caused the South Division Street Pumping Station to fail. Existing grating in the station makes it impossible to vacuum out the grease so it is broken up by hoses and degreasers and pushed through the pumps. Jarvis Electric was also called in to troubleshoot and

replace a broken float.

- o The belt filter press was inoperable for two days while a broken air valve was replaced.

Fortunately the unusually low loadings at the plant have resulted in lower wasting rates allowing us to operate the plant normally during this time.

Engineers Report

No report

Transfers

Motion to move \$1,843.00 from Chemical 6200-400-0400 to Lab Supplies 6200-400-0420 by Ms Allaire, second by Mr. Miani. All in favor.

Approve Bills

Motion by Ms Allaire to approve SSES bills of \$18,155.95 and \$13,161.24 second by Ms. Pertoso. All in favor

Motion to approve the Motors and Drive \$5,133.74 by Ms Allaire, second by Mr. Miani. All in favor.

Motion to approve bills for week July 17, 2015 and July 31, 2015 and August 7, 2015 by Mr. Miani, second by Ms Allaire. All in favor.

Adjourn

Motion to Adjourn at 8:40pm by Ms Pertoso, second by Mr. Miani. All in favor.

Respectfully Submitted

Marcy McGuire