

TOWN OF KILLINGLY
WATER POLLUTION CONTROL AUTHORITY
Regular In Person Meeting
Wednesday, September 15, 2021
6:00 PM

Killingly Town Hall
Town Meeting Room
172 Main Street, Danielson CT



MINUTES

1. **Roll Call** – Chair, Patrick McLaughlin called the Meeting to order at 6:03 p.m. and did the Roll Call.

Members Present:

Patrick McLaughlin
Gerard CinqMars
Andrew Danna
Joseph Higgins absent with notice.

Staff Present:

David Capacchione, Director of Engineering and Facilities
Mark Cataldo, Suez Project Manager

Also Present:

Therlin Montgomery, Wright-Pierce

2. Citizen Participation (on items not subject to public hearing) – None.
3. Town Council Liaison Participation – No representation.
4. Adoption of Regular Meeting Minutes August 18, 2021

Motion was made by Andrew Danna to adopt the Minutes of the Regular Meeting of August 18, 2021.
Second by Gerard CinqMars. No discussion.
Motion carried unanimously by voice vote (3-0-0).

5. Finance Report
 - a. Monthly Finance Report (included in packets to Authority Members).
David Capacchione reported that everything is tracking as expected. There was discussion regarding bonds.
6. Report of Project Manager
Mark Cataldo reported:
 - In total compliance for the month.
 - No violations.
 - Still at COVID Level 2.
 - Processed approximately 80 million gallons of water – 2.6 MGD for the month.
 - Influent 5 milligrams BOD and 3 milligrams TSS.
 - The Plant seems to be running very well.
 - 148 Work Orders.

- 10 alarms.
 - Completed 78 Mark-outs.
 - No odor complaints.
 - Nitrogen removal averaging 73 pounds for the year.
 - Phosphorus running .51 for the month.
- There was discussion regarding peak flows (6.1) during the heavy rains (a day-and-a-half). There was discussion regarding how well the Plant is running with the new SCADA System and centrifuges. A new person was hired in August.

7. Frito-Lay Representation

Heather Belanger was not present, but she had told Mr. Capacchione that there were no operational issues at the Facility.

8. Unfinished Business

a. Facilities Project Update

David Capacchione reported:

- Winding down.
- Therlin Montgomery issued the substantial completion letter (dated August 1st). They are working on punch-list items.
- Mr. Capacchione explained that a couple of check valves need to be added to the centrifuge which was not part of the original design. He would like to do this outside of the Project due to timeframe.

Mr. Montgomery explained about the need for the check valves. The sludge pumps feed the centrifuges and they are getting some backflow of sludge through the pump when they turn off the centrifuge and then the sludge tank starts to fill up, so check valves need to be installed on the discharge side of each of those pumps in order to prevent that from happening. He explained that it has to do with normal wear and tear of the pump itself.

Mr. McLaughlin asked about whether they would have to wait for the warranty period to be over before making any modifications. Mr. Capacchione stated that he does not feel that it would be impactful to the new equipment. Discussion continued. It is outside of the original contract and it was unanticipated. There are not currently any check valves, but now they are needed because there are now two centrifuges.

Mr. Capacchione referred to a quote from New England Pump & Valve who could supply the pumps off the Connecticut State bid and could install them for approximately \$5,000 each. Mr. Capacchione suggested that the Authority Members consider authorizing \$10,000 to come from Capital to have them installed. There was discussion.

Mr. McLaughlin asked about the Change Order for R.H. White. Mr. Capacchione stated that the total so far is \$700,000 plus (about 4 percent of the \$18 million). We are nearing the end of our allocated funds.

Mr. McLaughlin stated that this can be further discussed under Agenda Item 9 – New Business.

There was discussion regarding who is still working at the Facility on a day-to-day basis. Mr. Montgomery explained that he tries to get there once a week to check on punch-list items for which there is an associated cost for each item (comes out of the retainage for the Project which is just under \$300,000 at this time). Mr. Capacchione explained that there are minor

things that need to be completed, but it is difficult getting the subcontractors to come back due to scheduling conflicts with other projects that they are working on.

There was discussion regarding how the new equipment has improved how the Facility runs and how the odors are different. Mr. CinqMars commended the Suez Staff for their work and Mr. Cataldo, in turn, commended Wright-Pierce for their level of cooperation. Discussion continued.

b. I&I Study W-P Presentation

Therlin Montgomery, Wright-Pierce, gave a PowerPoint presentation summarizing the findings of the Draft Report and recommendations. He noted that Joe Hausmann, who was unable to attend the meeting, did 95 percent of the work. Final Report has not yet been submitted as they want to incorporate comments from the Town and Suez first. He said that there wouldn't be any major changes to the Draft.

- The Report was based on data collected from 2008 through 2020.
- There was a sharp increase (30%) in flows to the Facility in 2017.
- There is concern regarding close proximity to, and crossing, rivers and brooks and whether some of that water is being brought into the sewer system. There is also concern regarding the age of the system as well as the shape of some of the areas of the system.
- Mr. Montgomery discussed how they focused on manholes (and the areas around them), main interceptors running along rivers and brooks, and their observations. Mr. Capacchione noted that during inspections, it was found that the vented manhole covers had less corrosion issues than the sealed covers (inside the manholes). He posed the question, is it better to deal with the extra flow or to deal with the repair of the corroded concrete? There was discussion regarding possibly lining the manholes.
- Mr. Montgomery discussed the flow meter events: one in the fall of 2020 (to establish a baseline during dryer weather, but there was quite a bit of rain); and one in the spring of 2021 (which also was not typical weather). He explained the data analysis for dry weather (infiltration) and wet weather (in-flow) which is used to rank/prioritize where to focus their efforts.

Manhole #20 (main interceptor – west of the Five Mile River) was shown to have an overall ranking of 1. Further study is recommended.

Manhole #4 (meter basin) was shown to have an overall ranking of 2. Further study is recommended.

Manhole #61 - Further study is recommended.

Mr. Capacchione noted that this means that there will be further study, investigation and repair in the downtown area.

- Mr. Montgomery discussed other types of further studies that they could do for metered areas: nighttime flow isolations, further manhole inspections, smoke testing, dye testing based on the infiltration or in-flow that they see.
- Mr. Montgomery discussed what was observed on the site walks: most manhole covers are vented; a lot of damage/defects around the covers; cracked frames; concrete that needs to be repaired. Recommendation for corrective actions based on field observations: replace frames and covers; replace or repair concrete; cleaning and

lining of the manholes and grouting; replace the vented manhole covers in areas that we know are susceptible to ponding or sheeting.

- Mr. Montgomery discussed the Table of unit costs for doing further SSES (Sanitary Sewer Evaluation Survey) work and corrective measures.
- Mr. Montgomery discussed the recommended schedule for further SSES (over the next ten years).

Mr. McLaughlin asked that a total dollar amount for each year be added to the bottom. Mr. Montgomery agreed to do that and he will share the presentation information with Authority Members.

- Mr. Montgomery discussed funding options.
There was discussion regarding Clean Water, USRDA and ARPA. Mr. Capacchione will be submitting an application for ARPA to the Town Manager.
- Mr. Montgomery discussed final recommendations:
 - Find out where the missing manholes are.
Mr. Capacchione stated that he believes they have located 99 percent of them (buried, washed out, or in the River).

Mr. CinqMars asked how these improvements over the last four or five years have enhanced for future growth. Mr. Montgomery stated that the Study and repairs free-up the capacity of the collection system. He said that he does not know if we've increased the capacity of the Sewer Plant, but we have increased the reliability of the Sewer Plant.

Mr. Montgomery continued with final recommendations:

- Some areas of discrepancies were found while working with the Town GIS, so they recommend going through that and cleaning it up.
- Continue to maintain access of manholes of brush and trees.
- They saw a similar increase in flows from Brooklyn, so keep an eye on that.
- Take the recent information compiled (manhole logs and photos) by Alec Ethier, recent I&I work and some of the recent CCTV work and incorporate that information into the Draft Report.
- When repairs are done, do follow-up flow monitoring and CCTV on a regular basis to keep things in check.

There was discussion regarding making information available on the website once the study is done to show the work that has been done over the past few years.

c. 148 Maple Street

David Capacchione stated that he was unable to find anything related to any assessment for that property going back through the records. He asked if Mr. Nason is on his own. Mr. McLaughlin stated, "yes."

9. New Business

It was decided that Mr. Capacchione should try to get a third quote. He has quotes from R.H. White and New England Pump & Valve.

10. Correspondence

a. 18 St. James ROW

Mr. Capacchione explained that he had tried to call the property owner, but she did not return his call. He has not visited the property. Therefore, he is not suggesting that sewer use fees be waived.

11. Other – None.

12. Adjournment

Motion was made by Gerard CinqMars to adjourn at 7:17 p.m. Second by Andrew Danna. No discussion.
Motion carried unanimously by voice vote (3-0-0).

Respectfully submitted,

J.S. Perreault
Recording Secretary