

## **UTILITIES COMMITTEE MINUTES NOVEMBER 4, 2015**

The Utilities Committee meeting was held on November 4, 2015 at North Royalton City Hall, 14600 State Road. The meeting was called to order at 6:01 p.m.

**PRESENT:** Committee Members: Chair Gary Petrusky, Vice Chair Dan Langshaw, Dan Kasaris; Council: Larry Antoskiewicz, John Nickell, Paul Marnecheck, Steve Muller; Administration: Mayor Robert Stefanik, Wastewater Supt. Tim Tigue, City Engineer Mark Schmitzer; Other: Louis Krzepina, Ally Higgins, Alexandria Cossel.

### **APPROVAL OF MNUTES**

Moved by Mr. Kasaris, seconded by Mr. Langshaw to **approve the September 1, 2015 and October 6, 2015 Utilities Committee minutes.** Yeas: 3. Nays: 0. **Motion carried.**

### **UNFINISHED BUSINESS**

#### **1. Inflow/Infiltration of storm water**

Mr. Tigue reported that due to unanticipated maintenance issues in the plants, we will not be able to do the dye testing this fall on Pamela Drive. We will do this work in the early spring and then we will finish Sprague Road in the summer and start working in the developments. The developments will be prioritized based on the worst I&I by looking at the lift station pump occurrences during rain events. He said that we have 11 pump stations, but the pump stations in The Trails and Pine Hills are not an issue. He said the worst 3 will be Hunters Creek, Valley Vista and Pine Stream. After these are finished, we will work on the remaining 6. He said that in his opinion 9 out of the 11 pump stations have enough storm water infiltration and inflow during rain storms that indicates that we should dye test the whole development. Mr. Kasaris asked what type of maintenance issues are occurring that have put this program on hold for this year. Mr. Tigue said we had to re-bracket the trough at the sand filters, had to fix some valves in the aerobic digester, we changed our ferrous chloride pumps from regular diaphragm pumps to peristaltic pumps, we changed the chlorine inlet gate at B Plant. He said we had a lot of issues that were not anticipated. Mr. Kasaris asked if there were any cost issues with any of the maintenance. Mr. Tigue said beyond labor, there were parts costs. Mr. Kasaris asked if there was money budgeted for this. Mr. Tigue said yes, but the money was not anticipated for this use. We budget amounts and expenses based on previous years. We are covered for this work but the work that this money was originally budgeted for will have to be put off until next year. Mr. Kasaris asked when the decision will be made as to which subdivisions will be dye tested next year. Mr. Tigue said the decision will be made sometime next summer. Mr. Marnecheck asked if all of the homes will be dye tested, even if they are on a side street that is off of a main street that shows no I&I issues. Mr. Tigue said that they will test every home that flows into a lift station. Mr. Tigue reviewed the notification procedure for the residents. Mr. Langshaw asked if they are going to test Parkdale Drive. Mr. Tigue said that we did Parkdale Drive in 2007, enforced it and it is already finished. Pamela was also done in 2007 however there was a lot of work that was done on Pamela after the fact and we kept holding off on enforcement because of the myriad of problems they were having. He said they decided to give the residents a break on all of the issues they were having. However, it has been so long now that we need to dye test again just to make sure that the information we have is accurate.

#### **2. WWTP "A" Standby Generator Replacement Project**

Mr. Tigue said that the contracts have been signed and the purchase order has been issued. He expects the work to be completed next March with the generator coming in January or February.

### **NEW BUSINESS**

#### **1. Request approval for a change order to the design costs of the Influent Pump Station at "A" WWTP**

Mr. Tigue explained that during the design of the pump station he and his staff thought it would be a good idea to have another backup generator at the plant. He said they thought the generator would be portable and that we would use this generator not only at A Plant, but at B plant as well. He said it was put into the 30% design as an idea. Unfortunately, he thought it would be a smaller generator. He said when he was told that the actual size of the generator would be 375 kw, this puts it to almost the same size as our main plant generator. He expected it to be in the range of 200-250 kw. He said that the size of the 375 kw

generator would be 23' long, 9' wide, and 11' high. So instead of a portable generator our thought to the consultant was we still want a generator, but we can't haul an 11 ton generator around. We asked the consultant to quote us what it would cost to fix it in place. We think it is smart to have the generator because it would be up on higher ground. Our main generator sits in the building that was almost flooded during the May 2014 storm. If this floods, we have nothing. So this would be a back up to that, it would be on higher ground and in the 8 years he has been at the plant, there has been no water that has reached where we are putting the new lift station. He said that unfortunately, when you fix a generator in place, you are now adding a small building around it, underground wiring, a manual transfer switch and they have to re-core the ground that this is going to sit on to ensure that the concrete pad and the generator don't move and shake. This will cost extra design money because it is no longer portable. He said that he did not anticipate this and this is why he is coming to Council for a change order in the amount of \$42,000. The cost of the generator would be a wash whether it is portable or fixed, but the design costs were not anticipated. He said the amount of the design is already 97.5% used, so he is asking Council to change our design contract to add this amount. Mr. Petrusky asked if we will need something for B Plant as a backup. Mr. Tigue said that this generator is even older than the one at A Plant. We will be going out for design next year and will also consider a portable backup for this generator as well. Discussion occurred regarding the mechanics of the generator and operation of same. Mr. Tigue said that he wished he would have thought about utilizing a fixed backup generator during the planning stage rather than the design stage, then the money would have been included in the design package. He likes the idea of a fixed backup generator because of reliability but it didn't come up until the design stage.

## 2. **Request authorization to bid the Influent Pump Station at "A" WWTP**

Mr. Tigue said that this item is on the Council Consent Agenda tonight asking for Council's authorization to go to bid for this project once the design phase is completed.

Moved by Mr. Kasaris, seconded by Mr. Langshaw to **recommend approval of Items 1 and 2 under New Business**. Yeas: 3. Nays: 0. **Motion carried.**

## **MISCELLANEOUS**

Mr. Tigue said that he has one issue that is happening right now. He said we have an issue with one of our 30 inch main sewers. We only have two of them and one of the two that is behind DiGioia has caved in and collapsed. They are now bypass pumping which simply means they are taking the sewage around the break in the collapsed sewer and pumping it into a manhole downstream and into our plant. He said that during this event we dammed up the creek behind the plant with sand bags and we pumped it into our wet well with our 6 inch portable pump. He said that we were able to do this because there has been no rain and we found an area where we could actually get our hose so it could pump. He said they have been trying to minimize the environmental damaged that may be caused by this. He said that DiGioia has the equipment and they are presently working on this. Mr. Kasaris asked if this is something they have to fix. Mr. Tigue said yes. The Mayor said that we have known about this for about a month and a half. This is an issue on their property that they caused and the repair is their responsibility. Mr. Tigue said that they videoed this a few months ago and found out that there were issues with the fill in their back and it crushed and ovalized the pipe. He said that Mr. Schmitzer has been working very closely with DiGioia to get the plans together. Mr. Kasaris asked about the timeframe for completion. Mr. Schmitzer said that at this point DiGioia is working as quick as they can. They special ordered another 150 feet of concrete pipe today, so there is 450 total on the ground. They brought a piece of equipment out from the eastside to put this pipe into the ground. He felt that this would probably take a couple of weeks to complete. Mr. Tigue said that the Ohio EPA has been notified and was on site today. He said that he recognized at about 10:30 a.m. today that there was an issue and notified the EPA right away. Mr. Muller asked what caused this problem. Mr. Tigue said that it was caused by heavy fill. Mr. Schmitzer said that there are a number of items that can happen. He said that this sewer was put in by DiGioia many years ago. Previously, the creek ran up to the back of their property and cut off most of the usable land back there. So years ago they got a permit from the Army Corps and the EPA to fill in the creek, make a straight line and redo the sewer. Because it was so many years ago, he has no record of how it was filled or what type of material was used. He said that it is a plastic pipe and if you don't have proper back fill in sufficient quantity and if you

factor in the large chunks of concrete that we found back there for erosion purposes, this can puncture a pipe and this is what we found. He said that the load of fill that has been on this property over the years pushes down and if you don't have enough stone or the proper stone, it will not act as a barrier and will crush the pipe. The pipe going in now will be concrete reinforced pipe with proper backfill and under the watchful eye of our Wastewater inspectors. Mr. Schmitzer said that the new pipe will be installed from wherever the pipe goes out of complete round and continue until we reach complete round again. Mr. Tigie said that based on camera video it looks like this is all on DiGioia's property.

Mr. Nickell said that there were some piercings through the sanitary pipe at Parkdale and asked for a status update.

Mr. Tigie said that there are some homeowners on Parkdale that back in the 1970's their sanitary laterals were bored right through the storm sewer. We did not know about this until we videoed the line. He said that we found 4 homes with this problem; two homes are in the process of being repaired right now and the other two were on the very top of the storm sewer so we are not going to touch them. They are not stopping any flow through that storm water line. He said that the lowest bid for the repairs was \$7,000 for each home and the work is being done by Strongsville Excavating.

#### **ADJOURNMENT**

Moved by Mr. Langshaw, seconded by Mr. Kasaris **to adjourn the November 4, 2015 meeting.** Yeas: 3. Nays: 0. **Motion carried.**

Meeting adjourned at 6:37 p.m.