

FOX TOWNSHIP SEWER AUTHORITY MEETING MINUTES

JUNE 13, 2018 @ 6:00 P.M.

Members Present: Russ Braun, Ken Huey, Michael Kamandulis, John (Paul) Minard, Rudy Pollino and Jerry Zimmerman, Jr.

OTHERS PRESENT: Chad Shields and Shawn Zimmerman, Wastewater Treatment Plant Operators, Tom Holleran, Water & Wastewater Project Manager, of HRG Engineering and Juli A. H. Schlimm, Authority Clerk.

VISITORS PRESENT: Dave Mattiuz, Township Supervisor, Ray Krise, Jr., resident.

The Meeting was called to order by Chairman Jerry Zimmerman, Jr. followed by the Pledge to the Flag.

Ray Krise, Jr. was recognized first. Ray told members he has land at 488 and 490 Main Street that is in behind the Main Street frontage. It runs deep bordering the Snowmobile Club's property. He has plans on subdividing the property. He is interested in working on developing the land for a twenty (20) lot mobile home park. As a first step in the process he needs a capacity letter indicating the Authority is able to supply service to twenty (20) new homes. Tom Holleran looked at the 2017 Chapter 94 report submitted to the state in regard to lift station capacity. This area would be going into the Bauer (Former Copella) lift station. Authority members agreed we do have capacity. Juli was instructed to prepare a letter for him. The letter will be submitted with the Sewer Planning Module to the state. Ray was also given an Authority's Developer's handbook to share with his engineer. Ray shared a map showing where this is located.

Ray also told the board he is interested in extending the sewer line on Krise Road that ends at his Cousin Jeanne Skrzypek's property. He is planning on building a new home for himself next door on the neighboring property. Ray was given the information on the sewer line that was done by his cousin in 1989. This details location, footages and depths of the existing line. He will be preparing a plan for the board to review.

The Meeting Minutes of 5/9/18 were approved as written and previously distributed as moved by John (Pat) Minard, seconded by Russ Braun, motion carried.

Tom Holleran of HRG Engineering presented his report for this evening. After last month's meeting he met with Ken to look at the Rebco line. He then reviewed the Water Quality Management Permit for the project. This had been prepared by Deiss and Halmi Engineering. Tom commented he had noticed in the application that Ken's engineer mentioned about the possibility of Rebco doubling their plant size. Ken in conversation later said this may not happen. Tom said reanalyzing the forcemain line could be considered for someone to do. Without additional connections the forcemain may need more maintenance. Tom feels blockages have happened at the transition of three inch (3") to two inch (2") size in the pipe.

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REBCO DISCUSSION CONTINUED:

Tom said during the summer access for maintenance is fine. During the other times of the year it may be more of a problem. The portion of the line just past McDermott's is a couple thousand feet of wetland area. There may be an issue with the performance of the forcemain line. Tom mentioned he had also discussed this with Jason Fralick at their firm. Members asked what type of additional maintenance would be necessary. Tom said flushing. There is a flushing port and clean out closer to Rebco. This is located on the other side of McDermott's parking lot. Tom said someone would need to model the system to address what is needed for volume and pressure. This is in efforts to achieve scour velocity. This may need to be done quarterly or maybe a different time period. This would need to be figured out over time. Jerry asked if a vacuum truck could be used. Tom said a pumper. Tom said he and Chad looked at the fire trucks today for work to be done @ the Homestead lift station. It would serve the same purpose @ Rebco. Rudy asked if an access road or driveway needs built? Tom said maybe not. Tom suggested to first study the clean out located behind McDermott's. The other ones are off road. Jerry suggested for July's meeting to meet at McDermott's to view the line location. Tom mentioned the problem isn't at McDermott's but a couple thousand feet away. Jerry and Rudy spoke of Rudy's vacuum truck. Jerry mentioned having the capability of being able to reverse the pressure. Rudy agreed. Tom said calculations will need to be done. Pushing at velocity for the entire length of the line. This is in efforts to move the solids along. Russ asked if it is necessary to add anything to it. Tom agreed you can but it may not be necessary. This is being considered for Homestead also. As long as this is done routinely and it doesn't get impacted it should work. Tom said HRG has other customers that do flushing on a four (4) month interval with a firetruck. Tom complimented Ken and his staff for the condition of the pump station. He said it is in excellent shape. There is no inappropriate debris going into it. Chad did also make mention that the use of different brands of toilet paper can add to the problem. He said Scott brand breaks down much quicker than some of the others. Ken said they use an industrial brand. Tom agreed, this is a legit concern. Light weight stuff doesn't work. The board will schedule a field trip for 7/11/18 @ 5:30 p.m.

Tom said the Homestead lift station evaluation has taken up a substantial amount of time. To become familiar with the lift station he has come up to work closely with the operators on determining what the problems are. This has cost probably about five thousand dollars (\$5,000). This is HRG's contribution to the Authority in efforts to get Tom as the new person up to speed on the situation. The operators and HRG are concerned with the Homestead lift station. HRG's people wanted surveyors to go out and gather information. HRG was unwilling to assume the "As Builts" were correct. This had to be checked. It doing so the former survey and design conditions are verified. HRG commissioned Curry and Associates to go out and do a field survey to confirm the elevations between the pump stations and the discharge point. The "As Built" plans and the design conditions were right. Some draw down tests were done today. The pump station is now partially disassembled. The draw down test revealed it is pumping thirty five (35) gallons per minute. Under design conditions it should be going out at about two hundred (200) gallons per minute. It's a significant difference! The

HOMESTEAD LIFT STATION CONTINUED:

manufacturer suggested installing a larger impeller. They also wanted the design confirmed. Knowing the design, the grit loading and what's going to the pump station HRG feels they need to be authorized to do a study just on upgrading the Homestead lift station. Bigger pumps and more speed are needed. The same issues with the Rebcos forcemain is what we are dealing with here. When the design was done for the Homestead pump station there were no clean outs done. Tom said economic issues at the time of design may be why they weren't included. Future growth is to be taken into consideration and determine what it will take for this pump station to work. Moving the wastewater including the grit over the hill and on down to the plant is what needs to happen. Homestead is a critical pump station. Chad told members in partially dismantling the pump he feels it is pumping, spinning and working but debris has destroyed the wear plates. Chad isn't sure they can even be removed. The impellers are worn. A half inch of grit is settled in the base of the pump. Mike questioned where the grit comes from? It comes from the road, and it washes into the inspection ports. Chad told members the first couple of years after the pump station was installed it performed flawlessly. Throughout time it just kept getting worse. He has seen a difference in recent years. Overnight it may not run for a few hours. The grit settles and it builds up so it makes it harder to function. There was conversation on needing a larger pump and cleaning out the grit. Chad said they have two pumps torn off the station completely right now. They need to get some metal based epoxy to repair the holes it has created in the volute. This needs replaced along with the impellers and wear plates. They will also plan to replace the seals while they are working on it. It needs fixed and repaired now. It needs redesigned. Per Chad the bigger impellers with a little more velocity may just be a temporary repair. Shawn located information on Suez Ice Pigging. This is an ice slurry process. They bring in their own pumps along with the ice slurry put into the line. This information is being investigated. This is regarding cleaning the lines out. An engineer from HRG will be involved in the process. The problem needs addressed. It is critical because right now the one pump is only functioning at thirty five (35) gallons per minute. Chad added, less than at twenty five percent (25%). Russ asked what goes into Homestead. The response was everything upstream. Laurel, Greenbriar, everything from Rt. #948 down to the Twp. line. Chad said we don't have continuous flow. Jerry said this is why we had smell and odor problems because we didn't have continuous flow. Jerry asked Tom if he had a ballpark figure of what the Authority could expect with cost? Tom said he doesn't. He doesn't want to compromise the scope of work for the project. Some facts to be considered are: the length of the force main is four thousand eight hundred eighty seven feet (4,887'), it is six inch (6") PVC pipe. The volume is seven thousand two hundred (7,200) gallons of water and grit. An interim truck is needed if you try to drain it you will fill the wet well up. The liquid can go to our plant. If grit needs removed you may have three to four thousand (3000-4000 gals.) of grit. It's hard to determine at this point. The head is one hundred eight six foot (186') difference in elevation from the lift station with a six inch (6") pipe. Jerry asked if a camera can be used. Tom said if the head can be drained enough it is simple construction to cut into the pipe. It is only four foot (4') deep. A coupler can be added, or a flushing clean out assembly can be installed. Jerry called for a motion to have HRG do the engineering on the Homestead lift

HOMESTEAD CONTINUED:

station repair. Russ Braun moved to do the study, seconded by Mike Kamandulis, motion carried.

Chad said he would like to include the larger impellers be added at a cost of approximately fifteen hundred (\$1,500) each. It may even be higher up to four thousand dollars (\$4,000) for both. Jerry says he hates to say an exact dollar figure. Russ Braun moved to approve the purchase of the larger impellers, seconded by John (Pat) Minard, motion carried. These are necessary because with the study may take a few months. Our DEP water quality management permit is involved. This may not be fast. HRG can inform DEP that the timing is important on this.

After the impellers are installed you should be able to see a difference in the way it functions per the operators. You should be able to tell in how long it takes to drain down. Also how the back flow valves open up.

The final plans were received for the Cellular Store at 1105 Million Dollar Highway today. The review has not been completed of course with having just received them. There is currently a house there and the house lateral is being converted to serve the commercial store lateral. The four inch (4") lateral was discussed as being adequate for the intended low use. The lateral was installed in 2004. They just want to make a reconnection before the forcemain. The house is intended to be demolished. The operators said they are close to the main line. A contingent approval was discussed based upon HRG's review and approval. The Authority will instruct them to proceed at that given time. This way they will not have to wait another month for an approval. This has been done before. This supports getting commercial businesses underway. Tom did call to discuss the project with the project's engineer today.

Brenda Porter has made application for Lot eight (8) in the Foxhead Industrial Park. She is the purchaser. They intend to lease to a company named Quality 1st Machining. They are planning on two (2) bathrooms and a lunch room. Ms. Porter offered they will be starting with three (3) employees and eventually growing up to twelve (12) employees over three (3) shifts. The tap fee is usually based upon the gallons of flow projected on the state module submission. The taps within the Industrial Park were previously planned for and approved, therefore this step does not have to be done. Ms. Porter does not have an estimated gallons per day flow figure. She feels their usage will be minimal. There was discussion on water use for coolant within their process. In comparison, to the Cellular Store project the state based two (2) commercial bathrooms at two (2) EDU. They are being given credit as was previously discussed, for one (1) existing EDU that was paid for by the Young's for their residence. They will owe the Authority for one (1) additional EDU and a re-inspection fee. This was the same as had been done in the past for the Country Fair project which is now Get-Go. Members discussed they would do the same for Quality First Machining based upon having two (2) commercial bath-

PORTER/QUALITY 1st MACHINING CONTINUED:

rooms. If they are able to present any type of water estimates for consideration the board would evaluate this further. The board also discussed that the business will then be billed per practice on their actual usage and re-evaluated semi-annually.

Tom commented that he had received the Greg Bauer extension plans. Curry and Associates had done the submission for this. This is located on Chicken Hill. It is a steep five hundred foot (500') extension with a seven percent (7%) slope. Tom will complete his review and comment to us. There is one (1) other possible future connection besides Bauer. A neighboring property that has a possible on-lot malfunctioning.

Russ asked if we had heard anything further from Harry Carr regarding the Jim Nissel property. We have not.

Analytical Testing Results were presented for review and also the April 2018 Discharge Monitoring Report. Total tons of sludge hauled in May was thirteen point eight two (13.82).

A letter dated 6/1/18 was received from Advanced Disposal regarding the annual state requirement to resample and retest our sludge. Special testing is done on this request every other year. This year our response letter of 6/12/18 indicates there has been no change to our wastestream. We will budget an extra thousand dollars (\$1,000) for this purpose in 2019.

The Gerald and Timothy Wehler plan review letter was forwarded to Curry and Associates via email of 5/10/18. No state module submission has been received yet. We had received the plans. HRG reviewed them and commented. We have invoiced the Wehler's for the review.

*The **BILLS** were approved for Payment and Paid with Check #2208 to Check #2247 in the amount of fifty thousand seven hundred two dollars and nineteen-cents (\$50,702.19).as moved by Russ Braun, seconded by Ken Huey, all were in favor, motion carried.*

Employee overtime hours were presented for the month.

The May Fee Statement from the solicitor was received on 6/1/18. A credit balance of two thousand three hundred sixty three dollars and forty four cents (-\$2,363.44) remains. An hour was charged for the month, part of which was for the Wehler review and will be reimbursed.

Email correspondence was received from the solicitor on 5/22/18. The email was regarding a recent court decision. The decision could impact the Authority concerning members present and those members abstaining from a vote. In abstaining from a vote it then affects if there is a quorum present in conducting business. Members had a copy in their meeting packets for their review.

A letter on 5/1/18 was written to customer Justin Couch regarding a check that was returned for insufficient funds. The property was posted. The arrears were paid in full. No further action was taken.

An Update on Delinquent Accounts was given. Twenty one (21) delinquency letters were sent out on 4/16/18. The total arrears were paid in full in the amount of three thousand five hundred thirty five dollars and seventy-eight cents (\$3,535.78). This was for the 4/24/18 customer billing cycle.

Sixteen (16) delinquency letters were sent out on 5/16/18. The total arrears owed to the Authority was two thousand eight hundred seventy five dollars and nine cents (\$2,875.09). Two accounts remain unpaid and the properties were posted today. This is for the 5/24/18 customer billing cycle.

The Bills-In-Arrears Report as of 6/9/18 shows twenty one (21) customers will receive delinquency letters which will be written this week. This will be for the 6/24/18 billing cycle due 7/9/18.

THE NEXT MEETING DATE WILL BE WEDNESDAY, JULY 11, 2018 @ 5:30 P.M. Authority members will meet at McDermott's parking lot to view and discuss the Rebco sewer line. Juli mentioned members may also meet @ the Township Building and ride over together.

As there were no other business to be discussed the meeting adjourned @ 6:50 p.m., as moved by Russ Braun, seconded by Rudy Pollino, motion carried.