

MINUTES OF THE WALDO
WATER & SEWER UTILITY BOARD
MONDAY, MAY 14, 2018
HELD IMMEDIATELY AFTER THE VILLAGE BOARD MEETING

President Gary Dekker called the meeting to order at 8:40. Certification of compliance with the Open Meetings Law was confirmed. Board members present included President Dekker, Chris Madgwick, Jerry Hammarlund, Mark Spitz and Mike Hintz. Other attendees were Bruce Neerhof, , John Port, John & Karen VanEss, Michelle Brecht.

The Minutes from the April 9, 2018 meeting were reviewed. Michelle noted that the emailed version had an error in the heading. That was corrected in the hard copy they were reviewing. Motion to accept the Minutes as presented: Mark Spitz Seconded: Chris Madgwick Approved.

The Treasurer's Report was reviewed. Michelle shared that the sewer depreciation account goal has been met for 2018. She asked the Board for permission to start depositing water tower rent into the " Water Tower Account" and re-name it "Water Dept. Depreciation Account". This would be designated for water department replacement costs. Verizon and Excel deposit a total of \$2,513.57 each month. Our Depreciation Account Goal for the water department is \$97,050. This would be a slow, steady way to make progress on this account's development. This cell tower rent income has been a primary reason the utility departments are in good financial shape. It seems appropriate to put some of that money back into the water department. Not to sound "doom and gloom", but with fast changing technology, what if the cell towers suddenly wanted to remove their towers? We wouldn't be in as good of a position to develop this depreciation account. (A spreadsheet of the two depreciation account details will be included at the end of these Minutes.) Motion to approve the Treasurer's Report: Mike Hintz. Seconded: Chris Madgwick. Approved.

The Vouchers were reviewed. The cost of the manhole grouting came in \$626.75 under the projected total for a cost of \$2,373.25. The cost for an auxiliary water tank & pressure relief valve for the water tower painting project was \$5,160.00. Mike Hintz made a motion to approve checks 8475-8490 for a total of \$15,577.59. Seconded: Jerry Hammarlund. Approved.

Bruce Neerhof gave a report on utility operations. The water tower painting project started last week. The pressure in the system was fluctuating and led to a water main break near 125 West First Street on Saturday May 12th. Upon excavation, it was discovered that the break happened at a 1970-1980's repair clamp location. The 10" clamp was replaced with a 24" stainless steel clamp. There is some concern that there may be a future issue at the sight since the water main is not as level as preferred. The painting project also stirred the water in the mains and caused numerous brown water complaints. This coloration is not dangerous. The water has a high density of iron and manganese when this happens. It may happen occasionally up until May 22nd. A homeowner can flush their home lines with about a tub full of water. Thankfully this important project will be done in a month. It will take 14 days to paint the inside and outside of the tank. Once painted, it will take two weeks to cure and then the tower can be re-filled. After it is re-filled, the water inside will need to pass two bacteria related lab tests before the system can be restarted. The cell tower cable on the ladder has been fixed. The painters will take the Christmas star down and put it back up. They also took the mixer out and will re-install it at the end of the project. The good news is that we don't need to take out a loan to do the project AND we don't need to re-paint for 20 years. Other updates were as follows:

- All permit limits were met for the Wastewater Plant (lab graphs were shared)
- Sand filters rotated. Very little sludge in distribution pipes and septic tanks
- 2.29 inch rain event. Pumps handled it well

- water mains were flushed prior to the tower painting project but unfortunately there were still some water complaints to field
- Whole Effluent Toxicity (WET) test completed and results showed that we passed (As reported previously this test was done by storing minnows in our effluent sample. The minnows continued living so our effluent toxicity is acceptable.)
- Grouting of five manholes completed.

Bruce then shared an update on the force main lateral at Pheasant Run. A conversation was had with the residents' lawyer. The residents realize that they bear the responsibility for the lateral. They were hoping the Village could help them with some of the cost to excavate and properly insulate the trouble spot. The Village can't do that since it is under Glacier Transit's property. Bruce offered to help them organize the contractor and oversee the project without charging them. Bruce also asked the lawyer to prepare a document specifying that this lateral is the responsibility of these property owners. It will be signed by Glacier, the owners and the Village and settle the question for the future.

Our treatment plant permit is up for renewal. it will require us to start the phosphorus treatment we have prepared for. (This will use the Sorbex product that is now called "RE200".) This protocol needs to be started by December 31, 2018. The new permit is a 5 year permit.

There was no correspondence to share.

During Board updates Gary Dekker shared. He thanked Mike and Bruce for their help with the Saturday water main break. It was great working with them and he continues to be thankful for their expertise in Waldo.

Motion to adjourn: Chris Madgwick Seconded: Mark Spitz. Adjourned at 8:05

**DETERMINATION OF REPLACEMENT COSTS
VILLAGE OF WALDO SEWER UTILITY**

Item	Current Value (\$)	Service Life (Years)	Current Life (Years)	Annual Cost (\$)	Annual Replacement Fund Total
Lift Station Pump 1	6000	15	6	\$400	\$2,400
Lift Station Mixer Pump	8000	15	2	\$533	\$1,067
Lift Station Pump Storm	8000	15	6	\$533	\$3,200
Influent Sampler	8000	15	9	\$533	\$4,800
Fine Screen	50000	20	6	\$2,500	\$15,000
Bio Filters	3000	10	6	\$300	\$1,800
RCS Filter pumps (8)	25000	15	6	\$1,667	\$10,000
Effluent Flow Meter	7000	15	6	\$467	\$2,800
Effluent Sampler	8000	15	9	\$533	\$4,800
UV System	8000	10	6	\$800	\$4,800
Generator	30000	25	6	\$1,200	\$7,200
ph Meter	2500	5	2	\$500	\$1,000
SCADA & PLC	50000	15	6	\$3,333	\$20,000
Mission SCADA	3000	15	2	\$200	\$400
Phosphorus System	5000	15	2	\$333	\$667
Rain Gauge	1000	15	2	\$67	\$133

MCC Panel	50000	20	6	\$2,500	\$15,000
Computer	2000	10	6	\$200	\$1,200
Service Building	25000	20	6	\$1,250	\$7,500
Refrigerator	1000	15	6	\$67	\$400
Building HVAC System	15000	15	6	\$1,000	\$6,000
Lab ph meter	1200	15	11	\$80	\$880
Totals	316700			\$18,997	\$111,047

**DETERMINATION OF REPLACEMENT COSTS
VILLAGE OF WALDO WATER UTILITY**

Item	Current Value (\$)	Service Life (Years)	Current Life (Years)	Annual Cost (\$)	Annual Replacement Fund Total
Well Bowl Assembly	\$25,000	12	6	\$2,083	\$12,500
Well Motor, soft start	\$10,000	30	30	\$333	\$10,000
Chlorine & Phosphate pumps	\$2,000	5	5	\$400	\$2,000
Mag meter	\$5,500	20	6	\$275	\$1,650
SCADA System	\$10,000	15	6	\$667	\$4,000
Well house Check Valve	\$3,000	20	20	\$150	\$3,000
Emergency Generator	\$30,000	40	40	\$750	\$30,000
MCC Panel	\$15,000	40	56	\$375	\$21,000
Pressure Tank	\$1,500	10	6	\$150	\$900
Building HVAC System	\$1,000	15	15	\$67	\$1,000
Hydrants	\$225,000	75	1	\$3,000	\$3,000
Valves	\$225,000	75	1	\$3,000	\$3,000
Water Tower	\$100,000	20	1	\$5,000	\$5,000
Totals	\$653,000			\$16,250	\$97,050