

South Sangamon Water Commission  
Minutes of Regular Meeting of the Board of Commissioners  
December 17, 2018  
Water Plant, 9199 Buckhart Road, Rochester, Illinois

**Commissioners:**

Present: Craig Hall, Cindy Morris

Absent: Lee Bloome

Quorum: yes

**Others Present:**

Tim Bliss, Kevin Canham & Laura VanProyen (SSWC), Max Middendorf (MECO Engineering), Patrick McCarthy (Chatham), Randy Segatto (Barber, Segatto, et al), Mitch Nein (KAT Express)

**Proceedings:**

- The meeting was called to order at 5:30 p.m. by Commissioner Craig Hall, acting as chairman in the absence of Lee Bloome, and roll was taken.

**Operating Report:**

- Tim Bliss presented his written report for November.

- An insurance claim has been filed with Cincinnati Insurance for tornado damage to electric pole and transfer switch. Max Middendorf suggested there may be money available for tornado damages from FEMA.

- Scheduling of well cleaning was tabled for future discussion. Pat McCarthy stated cleaning is important to ensure maximum supply during summer months.

**Engineering Report:**

**Chloramine Conversion:**

- Middendorf shared Advanced Automation & Controls' report that final programming for the chloramine conversion was almost complete. EPA approval for a second feed point at the back of the plant was approved by EPA; Henson Robinson was notified to get that work scheduled.

**Pigging Stations:**

- Research of records found two butterfly valves on the 20" raw water main between the two pigging stations which would block pigging on about 20% of the main. Replacement of these with two gate valves by Loellke Plumbing would cost \$15,680.

MOTION by Morris, second by Hall to approve Loellke Plumbing Change Order #1 Removing Butterfly Valves at a cost of \$15,680.

Roll call vote: Morris – yes Hall – yes

Motion carried.

- Loellke Plumbing asked to schedule start date after the first of the year. Middendorf to follow up with Loellke and coordinate with SSWC and Chatham to minimize down time during the project.

**Public Comments:**

- There were no public comments.

**Approval of Minutes:**

MOTION by Hall, second by Morris to approve the minutes of the November 19, 2018 regular meeting as presented.

Voice vote: Motion carried.

**Treasurer's Report:**

- Laura VanProyen stated the December 31, 2018 operating account balance was \$335,649.67.
- All transfers had been made to the various bond & interest accounts. VanProyen to schedule with Commissioner Morris to meet at the bank to sign wire transfers not later than December 26 for the payments due January 1, 2019.

**Approval for Payment of Invoices:**

- VanProyen distributed a list of open invoices totaling \$70,052.18. She stated there had been no prepayments to vendors during the month.

MOTION by Hall, second by Morris to approve payment of \$70,025.18 for all invoices as presented .

Roll call vote: Morris – yes Hall – yes Motion carried.

**Approve Resolution 18-06 Abating Taxes:**

- Attorney Segatto explained the bond ordinances say that, if there are sufficient funds on hand to make the bond payments at the end of the year, the real estate taxes must be abated. The treasurer had reported that sufficient funds were available.

MOTION by Hall, second by Morris to approve Resolution 18-06, a Resolution Abating the Direct Annual Real Estate Tax in the Amount of \$2,038,000.00 for the year 2018.

Roll call vote: Morris – yes Hall – yes Motion carried.

**Approve Resolution 18-07 Establishing 2019 Regular Meeting Dates:**

- The third Mondays of January and February fall on dates listed in the Employee Handbook as holidays for 2019.
- After discussion, the January meeting date was changed from Monday, January 21 to Tuesday, January 22; the February meeting was left on Monday, February 18. Segatto to print a revised resolution for signing.

MOTION to approve Resolution 18-07, a Resolution Establishing Regular Meeting Dates for 2019, as revised to move the January meeting to Tuesday, January 22.

Roll call vote: Morris – yes Hall – yes Motion carried.

**Old Business:**

**Retail Meter Reading:**

- As previously discussed, with the expiration of the intergovernmental agreement with the Village of Chatham, December will be the last month they will read the commission's retail meters. McCarthy offered to have Tim Bliss go along with their meter reader for the December readings later in the week and show him all the meter locations.

- Discussion regarding meter reading options in the future. Middendorf to contact Midwest Meter to get estimates on various types of readers available to present options at the January meeting.

**KAT Express Contract:**

- Segatto to draft a contract with KAT Express and e-mail it to commissioners for review and approval at the January meeting.

**New Business:**

- There was no new business.

**Adjournment:**

- The next regular meeting of the South Sangamon Water Commission will be held Tuesday, January 22, 2019 at 5:30 p.m. at the water plant, 9199 Buckhart Road, Rochester, Illinois.

MOTION by Morris, second by Hall to adjourn.

Voice vote: Motion carried.

- The meeting adjourned at 6:20 p.m.

Respectfully submitted,

  
\_\_\_\_\_  
Laura VanProyen, Clerk



November 19, 2018

Tim Bliss  
South Sangamon Water Commission  
9199 Buckhart Rd  
Rochester, IL 62563

Re: Pump Tests Results

Dear Tim,

We have completed the Pump Test on Wells No. 1 – 9. Well 10 is having the pump and motor replaced. The pump test will be performed once it is installed.

Presented below are the results.

Specific Capacity (GPM/Foot)

Well No.	Present	New	% Loss	Last Test/Treatment	% Loss
1	24.5	18	--%	20.2	--%
2	30.0	25	--%	28.4	--%
3	14.0	16	12.5%	22.7	38%
4	5.3	9	41%	10.2	48%
5	11.8	11	--%	14.3	17.5%
6	10	9	--%	14.2	29.5%
7	16.6	18	8%	24.6	33%
8	39.1	23	--%	36.9	--%
9	18.4	18.3	--%	22	16%
10	-	11.2	--%	33.6	--%

*Attachment*

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- Well No. 1      The SC is up in Well No. 1, the treatment from 2016 is holding strong.
- Well No. 2      The SC of this well is higher than after the last treatment and also better than new. This well responded positively to the treatment we performed in 2016.
- Well No. 3      This SC is down from its last treatment and from new. This well requires treatment.
- Well No. 4      This SC is down from its last treatment and from new. This well requires treatment.
- Well No. 5      This well was treated in Nov of 2014. The treatment brought the SC up to a 13 which is greater than it was when it was new. The present SC has dropped, but ok for now. This will require treatment in the future.
- Well No. 6      This well was treated last year and we achieve it's highest Specific Capacity ever. Since then it has fallen off 29.5%. This well is a good candidate for treatment.
- Well No. 7      This well was treated in 2017. The SC has dropped 33% since then. This Well requires treatment.
- Well No. 8      This well was treated last year and is in great shape.
- Well No. 9      The specific capacity in this well is fine and does not require treatment.
- Well No. 10     N/A



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**Pump Condition (GPM) at design  
Head Pressure**

<u>Well No.</u>	<u>Present</u>	<u>Design</u>	<u>% Loss</u>
1	250	250	0%
2	60	250	76%
3	70	250	72%
4	N/A	250	18%
5	205	250	18%
6	38	250	85%
7	0	250	-%
8	160	250	38%
9	210	250	16%
10	-	250	-%

- Well No. 1 The pump for well 1 has design points of 250 gpm at 148' tdh. The pump is operating at 250 gpm and in great working order.
- Well No. 2 The pump for well 2 has design points of 250 gpm at 148' tdh. The pump is operating at 60 gpm at its design head which is a 76% drop in pump capacity which is probably related to iron building up in the pump.
- Well No. 3 The pump for well 3 has design points of 250 gpm at 148' tdh. The pump is operating at 70 gpm at its design head which is a 72% drop in pump capacity which is probably related to iron building up in the pump.
- Well No. 4 The pump for well 4 has design points of 250 gpm at 148' tdh. The pump is operating well but the Well itself has such a low specific capacity that it will not allow the pump to achieve its maximum GPM.
- Well No. 5 The pump for well 5 has design points of 250 gpm at 148' tdh. The pump is operating at 205 gpm at its design head which is a 18% drop in pump capacity which is probably related to iron building up in the pump. The pump does not require any maintenance at this time.
- Well No. 6 The pump for well 6 has design points of 250 gpm at 148' tdh. The pump is operating at 38 gpm at its design head which is a 85% drop in pump capacity which is probably related to iron building up in the pump. The pump should be treated for performance.
- Well No. 7 The pump for well 7 has design points of 250 gpm at 148' tdh. This pump is so worn it will hardly pump any water. The well needs to be treated and the pump pulled and inspected.

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Well No. 8      The pump for well 8 has design points of 250 gpm at 148' tdh. The pump is operating at 160 gpm at its design head which is a 38% drop in pump capacity which is probably related to iron building up in the pump. The pump should be monitored and treated in the future.

Well No. 9      The pump for well 9 has design points of 250 gpm at 148' tdh. The pump is operating at 210 gpm at its design head which is a 16% drop in pump capacity which is probably related to iron building up in the pump. The pump should be monitored for performance.


Well No. 10     N/A

In summary, I recommend performing a full treatment on wells 3, 4 and 7. I also recommend a pump treatment on wells No. 2 and 6. The pump in well No. 7 is also mechanically worn and needs to be pulled and inspected during the treatment. The pump treatments will be performed through the injection ports using High Velocity Injection. We can perform these two treatments for \$10,880.00 each. The treatments performed on Wells 3, 4 and 7 will be the same treatment procedure as proposed in the letter for Well No. 10. This treatment will be \$19,059.00 each.

Pump test sheet and pump curves will be sent to you for your files.

If you have any questions please feel free to contact me.

Sincerely,  
BROTCKE WELL & PUMP INC.

  
Dana E. Heck, R.G.  
Project Manager

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