

## WATER / ENVIRONMENTAL COMMITTEE

January 8, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Vota  
Alderman Budd

### ALSO PRESENT

Superintendent Speagle  
Mayor Brotherton  
Treasurer Nation  
Rocky Moore

Alderman Koonce  
Alderman Heberling  
Tricia Marburger  
Bev Morrison

Chairman Dorchinecz called the meeting to order at 7:05 P.M.

### MONTHLY STATUS REPORT

Superintendent Speagle presented the Monthly Status report stating a new hydrant was installed at Samuel and Pauline Streets due to removal of mains between the homes.

### KINCAID WATER RATE ADJUSTMENT

Motion by Alderman Walters and seconded by Alderman Budd to recommend to the City Council to increase the Kincaid Water Rate to \$3.96 per 1,000 gallons; the maximum allowable rate. Motion carried 4-0.

This increase will be effective in the February billing.

### WATER SUPERINTENDENT'S REPORT

#### South Wyandotte Street Water Main Replacement

Superintendent Speagle had to put off replacing the South Wyandotte Street Water Main because of the unexpected expenses of replacing a water main on the Spillway Bridge Project. He expects to get to the replacement this coming year.

### ANY OTHER MATTERS

#### Water Billing Issue-1107 Roosevelt Road

Trisha Marburger spoke to the Committee about the increase in their water bill since an AMR was installed in June of 2014. Before the AMR was installed, her bill was around \$69.00 (which all felt was low, probably due to the age of the old meter). The first bill after the change was \$312.00 (305% increase) and the following bills were over 300-400% increase. She had been in contact with the Water Collection Department and they felt the test meter is always accurate, but did install a new AMR. Over the holidays she kept a very detailed record of water usage which compares to what the new AMR is showing. She would like consideration for the high water bills she paid when the first AMR was installed.

Superintendent Speagle and Committee Members were very impressed with her quest to prove her bill was in error. Superintendent Speagle stated the removed AMR will be sent away for testing and he suggested we let her current water bill ride until the issue is resolved.

### Water Rate Adjustments

Treasurer Nation addressed the Committee regarding landlords who ask for water rate adjustments for their complex because of leaks. Currently the policy is one forgiveness per year. She stated some of these landlords just band-aid the problem and then show up again requesting an adjustment.

The Committee agreed the new policy will be one forgiveness per year per property after proof all leaks have been properly fixed.

Motion by Alderman Walters and seconded by Alderman Vota to adjourn. Motion carried 4-0. Meeting adjourned at 7:40 P.M.

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Ernie Dorchinecz, Chairman

## WATER / ENVIRONMENTAL COMMITTEE

February 2, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Vota  
Alderman Budd

### ALSO PRESENT

Superintendent Speagle  
Mayor Brotherton  
Alderman Burtle  
Alderman Heberling  
Alderman Jones  
Alderman Koonce  
Treasurer Nation  
Police Chief Herpstreith  
Bill Newberry  
Shirley Sams

Chairman Dorchinecz called the meeting to order at 6:45 P.M.

### CHEMICAL BID AWARDS

In December 2014, the City bid and awarded the chemicals for the Water Treatment Plant for the year 2015 as we have in the past. This year we had a new bidder who was awarded three chemicals. The supplier (Univar) has been unable to deliver product when needed. I spoke with the City Attorney and he advised that we repeat the bid process which we have; below are the recaps of the new bids. We only re-bid the three products Univar were awarded and we did not send re-bid invites to Univar.

On Thursday, January 29, 2015 the Chemical RE-Bids were opened in the City Clerk's Office. Listed below is a recap of the bids that were received for the period February 1, 2015 through December 31, 2015. Superintendent Speagle recommends awarding the bid to the lowest qualified bidder.

#### Liquid Aluminum Sulfate

Chemtrade Chemicals.....	\$398.99 per dry ton
GEO Specialty Chemicals.....	\$475.12 per dry ton
U.S. Alco.....	\$638.20 per dry ton

Motion by Alderman Walters and seconded by Alderman Vota to recommend to the City Council to accept the lowest qualified bid of \$398.99 per ton for liquid aluminum sulfate to Chemtrade Chemicals. Motion carried 4-0.

#### Carbon (Water Carb 800)

Brenntag Mid South.....	\$1.04 per lb.
Hawkins Chemical.....	\$1.04 per lb. **

\*\* (Does not meet spec)

Motion by Alderman Vota and seconded by Alderman Walters to recommend to the City Council to accept the lowest qualified bid of \$1.04 per lb. for carbon (Water Carb 800) to Brenntag Mid South. Motion carried 4-0.

Hydrofluosilicic Acid

Hawkins Chemical.....	\$0.43 per lb.
Brenntag Mid South.....	\$0.445 per lb.

Motion by Alderman Budd and seconded by Alderman Vota to recommend to the City Council to accept the lowest qualified bid of \$0.43 per lb. for hydrofluosilicic acid to Hawkins Chemical. Motion carried 4-0.

Motion by Alderman Walters and seconded by Aldermen Budd to adjourn. Motion carried 4-0. Meeting adjourned at 6:50 P.M.

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Ernie Dorchinecz, Chairman  
Water Committee

## WATER/ENVIRONMENTAL COMMITTEE

February 12, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Vota  
Alderman Budd

### ALSO PRESENT

Mayor Brotherton	Superintendent Speagle
Alderman Burtle	Treasurer Nation
Alderman Heberling	Superintendent Jackson
Airport Manager Newberry	Mike Coady
Rocky Moore	Bev Morrison

Chairman Dorchinecz called the meeting to order at 6:00 P.M.

### MONTHLY STATUS REPORT

Superintendent Speagle presented the Monthly Status report noting there were 403 shutoff notices mailed resulting in 39 shutoffs.

### CROSS CONNECTION CONTROL POLICY

Superintendent Speagle informed the Committee that for the past several Engineering Evaluations the EPA has written us a Deficiencies Notice for not having an active Cross Connection Control Policy. This is a requirement which we must correct and he feels if we do not proceed, the City will likely receive an actual violation and dictation of a resolution. He is proposing the City use an outside source to monitor and track instances and inspections of backflow devices within our system. It will require sending out questionnaires to every residence and business we serve and they will be required to submit them back for evaluation. Most will not require any work but some will be required to have a Cross Connection Control Device Inspector check for deficiencies in their residence to confirm the device is isolated where their home and our system are protected from potential backflow.

He has contacted three companies and feels Aquabackflow is the least expensive. They offer two programs.

**Base Program** of \$360.00 per year to track all devices and send out letters for inspection, with a cost of \$9.95 per device for inspection and date entry to the owner.

**Option 1(a)** is \$398.00 per year to track all devices and send out letters for inspection with each device to be inspected at the owners cost and data entered into Aquabackflow's site up to 40 devices and any device after that billed to the City at a cost of \$9.95 per device. Approximately 6,000 surveys would be mailed biennially with the template by Aquabackflow, printed and stuffed and mailed by the City and tracked by Aqua at \$1.00 each.

Motion by Alderman Walters and seconded by Alderman Vota to recommend to the City Council to enter into Option 1(a) with Aquabackflow for a 3 year Cross Connection Control Program with the City mailing the notices including a return postage prepaid envelope for return of each survey if we are only billed if that envelope is used. Motion carried 4-0.

## **ANIONIC FEED PUMP**

Superintendent Speagle will address this issue at a later date.

## **SUPERINTENDENT'S REPORT**

### **New Water Plant**

Superintendent Speagle has visited several water plants with Benton and Associates looking at their systems. They plan to tour more plants that have some of the same processes/components that we are considering.

### **S. Wyandotte Street Water Main Replacement**

This will be in the upcoming budget.

## **ANY OTHER MATTERS**

### **Water Bill-1107 Roosevelt Road**

Treasurer Nation informed the Committee that the high water bill issue at 1107 Roosevelt Road has been resolved. It was found that the meter register and base did not match, thus causing the problems. The Marburgers have been credited \$300.00 and are satisfied. Measures have been put in place by the Water Department where this will not happen again.

### **Water Service**

Superintendent Speagle received a letter from Benton & Associates Engineering regarding installation of rural water by SNAWS (Sharpsburg and Neighboring Area Water Service) in areas adjacent to and on City owned property. They are asking to serve the areas and would like a written reply stating our position.

### **Owaneco Sewage Issue**

Chairman Dorchinecz is waiting to hear from Reggie Benton regarding the Owaneco Sewage Issue.

### **Generating Revenue**

Chairman Dorchinecz spoke on several issues that the Committee has addressed in the past to raise revenue, but have not followed through with. Included were annexing Bertinetti, the Prison and Ahlstroms, and raising the Utility Tax. He asked members present to think and bring ideas to the next meeting.

Motion by Alderman Walters and seconded by Alderman Vota to adjourn. Motion carried 4-0. Meeting adjourned at 6:47 P.M.

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Ernie Dorchinecz, Chairman

## WATER/ENVIRONMENTAL COMMITTEE

March 12, 2015

### MEMBERS PRESENT

Chairman Dorchinecz  
Alderman Walters  
Alderman Vota  
Alderman Budd

### ALSO PRESENT

Mayor Brotherton  
Treasurer Nation  
Marlin Brune  
Alderman Burtle  
Rocky Moore  
Shirley Sams  
Ed Salisbury

Chairman Dorchinecz called the meeting to order at 7:53 P.M.

### MONTHLY STATUS REPORT

Chairman Dorchinecz presented the Monthly Status report noting the percentage of Lake Taylorville water vs. Well water pumped this month was 23% Lake Taylorville water and 77% Well water. There were 370 shutoff notices mailed resulting in 39 shutoffs.

### ANNEXATION ISSUES

There was a lengthy discussion regarding which Committee the annexations should be handled. Alderman Budd stated annexations have been handled by the Water Committee since he has been on the Council. During the discussion it was noted that there was motion voted on by Council to send annexations to the Water Committee. Chairman Dorchinecz stated he didn't have a problem with them going to the Finance Committee, that he put it on this month because he wanted the Committee to discuss annexations as a way to raise revenue for a revenue source to be used for more Police Officers and other City Departments as positions have not all been replaced upon retirements and the City has to find a revenue for the 30" Northeast Sewer Line. Alderman Vota stated if he is using annexations as a way to raise revenue it should be directed to the Finance Committee. Alderman Budd, Chairman of the Finance Committee advised he will place this issue on the next Finance Committee Agenda which is March 19<sup>th</sup>. Some members of the Committee stated the 'Hole in the Doughnut' should be annexed as they are receiving City Services and not paying City taxes.

Ed Salisbury, Trustee for May Township was present to discuss the wording of the Public Hearings that are put in the Breeze Courier for Water Annexations. He stated each time the City places the Public Hearings for the Water Annexations in the paper he receives calls. He was informed the residents that are involved in the Water Annexations receive a notice to attend the meetings, so they are aware it is for Water Annexation only. Mr. Salisbury stated they know the purpose of the meeting but he receives calls from 260 families that think the notice is to annex them in as the notice does not have Water Annexations listed; it just has Annexations. He also made a suggestion to be more specific on the Agenda's rather than having annexations as an agenda item list the specific area that will be discussed; had he known what was being discussed in this meeting he wouldn't have attended.

## **SUPERINTENDENT'S REPORT**

Chairman Dorchinecz presented the Superintendent's Report.

- Superintendent Speagle and Benton and Associates have been visiting other water plants to look at the systems in place
- AMR-Automated Meter Reading- He is continuing the change out program concentrating on meter wells. They have over 2,890 AMR's in the system currently.
- He is planning to have the S. Wyandotte St. water main replacement done during this fiscal year.

## **ANY OTHER MATTERS**

Chairman Dorchinecz was asked if he has received any information on the Owaneco Sewage issue; he has not, he is waiting to hear from Reggie Benton on this issue.

Alderman Walters advised Treasurer Nation sent a letter to the Taylorville Sanitary District informing them due to their payment increases the card stock for billing cannot be used. The cost for the cards was over \$3,000.00; she received a check in the amount of \$3,185.52 for reimbursement to the City.

Motion by Alderman Vota and seconded by Alderman Walters to adjourn. Motion carried 4-0. Meeting adjourned at 8:38 P.M.

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Ernie Dorchinecz, Chairman  
Water/Environmental Committee



## WATER/ENVIRONMENTAL COMMITTEE

April 8, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Vota  
Alderman Budd

### ALSO PRESENT

Mayor Brotherton  
Alderman Heberling  
Alderman Jones  
Airport Manager Newberry  
Bev Morrison  
Superintendent Speagle  
Treasurer Nation  
Superintendent Jackson  
Mike Walter

Chairman Dorchinecz called the meeting to order at 6:00 P.M.

### MONTHLY STATUS REPORT

The Monthly Status report showed 77% of Well Water was used compared to 23% of Lake Taylorville Water this past month. There were 412 shutoff notices mailed resulting in 29 shutoffs. Superintendent Speagle reported that Clarifier #1 was down on March 18<sup>th</sup> for maintenance.

### FY 2015/2016 WATER DEPARTMENT BUDGET

Motion by Alderman Walters and seconded by Alderman Budd to recommend to the City Council to forward the FY2015/2016 Water Budget to the Finance Committee. Motion carried 4-0.

### FY2015/2016 LAB FEE

Superintendent Speagle would like to postpone the Lab Fee issue until a later date as he is awaiting pricing from EPA.

### SERVICE LINE MATERIALS BID

Three bids were received for Service Line Materials.

Motion by Alderman Vota and seconded by Alderman Walters to recommend to the City Council to accept the low bid of \$20,028.50 from IMCO for Service Line Materials. Motion carried 4-0.

### ANNEXATION ISSUES

Chairman Dorchinecz informed the Committee that Annexation Issues will be on all Water Department Agenda's for any issue that may need discussion.

Alderman Budd had talked to the Mayor of Jacksonville about revenue from their Prison, which was built inside City limits. They do generate revenue from sale of water. If we annexed the prison we would receive Telecommunication Tax, Utility Tax and Per Capita. We would not receive MFT Funds.

It was noted that the Mayor and City Attorney were directed to contact the Governor's Office regarding annexation of the Prison. Mayor Brotherton informed the Committee that Representative Davis is setting up a meeting to discuss the Prison issues.

## **SUPERINTENDENTS REPORT**

### **New Plant**

Benton and Associates and Superintendent Speagle have toured several water plants that have some of the same processes/components that we are contemplating. He feels we may bid the project in January of next year and start construction soon after.

### **Cross Connection Control**

Superintendent Speagle has been in contact with AquaBackflow and is acquiring data for them. He has sent an update on acquiring a contract with them to the EPA to show we are working on the cross connection control program.

## **ANY OTHER MATTERS**

### **Owaneco Sewage Issue**

Chairman Dorchinecz reported that Reggie Benton with Benton and Associates feels we should not have concerns with the Owaneco Sewage Issue as we are handling it properly now. The new plant will also handle it.

### **Taylorville Sanitary District – CAMP-CAPITAL ASSET MANAGEMENT PLAN**

Treasurer Nation told the Committee that her staff has had many questions and complaints about the Sanitary District's new \$5.00 Capital Asset Management Plan (CAMP) Fee placed on the water bills. She stated they are giving a handout with the Sanitary District's number and the board members and plant manager's home phone numbers. It was noted that the Sanitary District has also initiated an annual 3% increase in the sewer rates. That means that this increase is actually compounded each year.

### **Verizon Antenna**

Verizon is offering a \$5,000.00 up-front fee for our attorney and engineering costs. Their offer is \$10,800.00 per year paid monthly. Superintendent Speagle feels a \$1,500.00 per month fee along with the \$5,000.00 up front fee would be better. He is not comfortable with their plans to perforate the tank and drill holes in the tower to place their antennas.

### **On-line Payments**

Treasurer Nation has had many requests for the Water Collection Department to take on-line water payments. She has contacted two companies and Incode (the City's software service) for costs. Customers could opt out of paper billing, which would save the City money.

Motion by Alderman Vota and seconded by Alderman Walters to adjourn. Motion carried 4-0. Meeting adjourned at 6:45 P.M.

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Ernie Dorchinecz, Chairman

## WATER/ENVIRONMENTAL COMMITTEE

May 14, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Vota

### ALSO PRESENT

Mayor Brotherton  
Alderman Burtle  
Treasurer Nation

Superintendent Speagle  
Alderman Moore  
Bev Morrison

### MEMBERS ABSENT

Alderman Budd

Chairman Dorchinecz called the meeting to order at 7:22 P.M.

### MONTHLY STATUS REPORT

The Monthly Status report shows 23% of Lake Taylorville Water was used compared to 77% of Well Water this past month. There were 303 shutoff notices mailed resulting in 50 shutoffs.

### 2015/2016 LAB FEE PROGRAM

Quotes were received from PDC and IEPA for Lab testing for July 2015 through June 2016. Superintendent Speagle noted that prices for sampling changes each year due to the type and amount of samples required by the EPA and the actual cost can be somewhat higher depending on repeat sampling, etc. Other non-required samples will also be taken this year which is not included in the bids. A certified outside lab will be used for those samplings.

Motion by Alderman Vota and seconded by Alderman Walters to recommend to the City Council to accept the low bid of \$10,664.00 from PDC Laboratories for Lab Testing Fees for the 2015/2016 Year. Motion carried 3-0.

### WATER QUALITY REPORT PRINTING COST

Two quotes were received for printing of the yearly Water Quality Report as mandated by the IEPA. Superintendent Speagle said that printing costs were down the past several years but with the addition of UCMR data we are into 5 sheets which adds another page.

Motion by Alderman Walters and seconded by Alderman Vota to recommend to the City Council to accept the low quote of \$996.70 from P S Printing for printing of the yearly Water Quality Report. Motion carried 3-0.

### VERIZON CONTRACT

Superintendent Speagle presented a revised agreement with Verizon Wireless for placing antennas on the City High School Water Tower. He stated at last month's meeting that the price per month had gone up from \$980.00 to \$1,500.00. Superintendent Speagle has countered to \$2,000.00 per month. CB&I, who put up the new tower will also review any proposed changes to the tower to allow for installation. He stated there are still many changes to be made and

asked the Committee along with Alderman Burtle and Alderman Moore to look it over and get concerns to Superintendent Speagle by Monday so he can give them to City Attorney Romano.

### **GPS/GIS MAPPING-BENTON & ASSOCIATES**

Superintendent Speagle spoke to Benton & Associates concerning having corrections and additions done to our mapping system. Approximately 170 items need changed. Hand corrections were made to our maps several years ago and this copy will be used to make corrections. Simultaneously we will be switching from “Autocad” to GIS, which can be used in the field through hand held devices. Benton & Associates estimate \$10,000.00 to make the corrections and the GIS conversion, if we utilize their summer interns. Superintendent Speagle has previewed the work of some of the interns done last summer and feels it was done well. He feels this will make the map extremely more representative and efficient and very time saving in case of an emergency.

Motion by Alderman Vota and seconded by Alderman Walters to recommend to the City Council to contract Benton & Associates to make the necessary additions and correction to the mapping system and the GIS conversion using their summer interns at a cost not to exceed \$12,000.00. Motion carried 3-0.

### **ANNEXATION ISSUES**

Mayor Brotherton informed the Committee that he had a call from the Governor’s Office concerning the City’s quest to annex the Prison. We now have a contact at the Governor’s Office.

### **WATER SUPERINTENDENT’S REPORT**

#### **New Plant**

Superintendent Speagle and Benton & Associates may be going to tour more plants that have some of the processes/components that the City is contemplating.

#### **Cross Connection Control**

AquaBackflow is in the process of sending out letters to the Cross Connection Control Device Inspectors (CCDDI) in the area and advising them of the online submittal for inspection forms. The City Treasurer has provided a sample of the user data that AquaBackflow is to use to send out surveys for citizens to fill out.

### **ANY OTHER MATTERS**

#### **T-6 Broadband**

The City has learned that T-6 Broadband, who have antennas on the water towers, will become Rise Broadband. This is a violation of the contract. Attorney Romano will be contacting them regarding legal fees for updating the contract.

#### **Internship**

Superintendent Speagle has been approached by an individual requesting to do an Internship with the Water Department. He feels this will be beneficial for the City. The matter will be forwarded to the City Attorney.

Infrastructure meeting

Mayor Brotherton and Superintendent Speagle met with U.S. Representative Rodney Davis and State Representative Avery Bourne on Monday, May 11<sup>th</sup>, to discuss a variety of issues including possible funding for the new water plant and the proposed 30" sanitary sewer line. The Mayor discussed the annexation of the prison with them and asked for their help. The Mayor stated that he had already received a follow-up phone call from an employee in Governor Rauner's office. Supt. Speagle discussed HB 3323 – "**IEPA Rulemaking Authority for Corrosion Prevention Work**" which has recently been assigned to the *Senate Labor Committee* and *how detrimental it would be to both municipalities and summer employees as many tasks would not be able to be funded due to increased costs.*

Motion by Alderman Vota and seconded by Alderman Walters to adjourn. Motion carried 3-0.  
Meeting adjourned at 8:30 P.M.

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Ernie Dorchinecz, Chairman

## WATER/ENVIRONMENTAL COMMITTEE

June 11, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Vota  
Alderman Budd

### ALSO PRESENT

Mayor Brotherton	Superintendent Speagle
Alderman Moore	Alderman Heberling
Treasurer Nation	Superintendent Jackson
Airport Manager Newberry	Brad Sassatelli
Ruby/Tom Forrest	Dennis Streitmatter
Bev Morrison	Stephanie Streitmatter

Chairman Dorchinecz called the meeting to order at 6:00 P.M.

### MONTHLY STATUS REPORT

The Monthly Status report shows 35% of Lake Taylorville Water was used compared to 65% of Well Water this past month. There were 332 shutoff notices mailed resulting in 35 shutoffs.

### WATER BILL LIENS AGAINST PROPERTY

The City Code states that whenever a bill for water service remains unpaid for 60 days, the City Treasurer shall file a lien on the property. Water Chairman Dorchinecz said that in the past, the Water Department has posted Shut Off Notices on the door of the building, but have not placed a lien on the property. He is concerned that if that occupant has left the residence and if the City did place a lien, it would be against the landlord. The Water Department has not been filing liens, but instead placing the account with the Credit Bureau. He was informed by City Clerk Peabody that she has been working with the Credit Bureau to change the current policy in which the City loses 1/3 of the amount for collection services. The Credit Bureau, when directed by City Ordinance, will place their fee on top of the City's so the City will not lose their money. This matter of Credit Bureau fees will be placed on the June 18<sup>th</sup> Ordinance Committee Agenda.

### VERIZON CONTRACT

Superintendent Speagle informed the Committee that City Attorney Romano has made some language changes in the proposal regarding money that Verizon is good with; however, they were not receptive to the language changes. City Attorney Romano will be contacting Verizon's Attorney to attempt to work out this matter and the issue will be brought back to the Committee.

Alderman Vota asked where this revenue would go, General Fund? Water Fund? Lake Restoration? Chairman Dorchinecz stated "we will figure it out".

### ANNEXATION ISSUES

Chairman Dorchinecz assured members that they will still be contacting the Prison and Ahlstrom's regarding annexation.

#### 1409 Sangamon Road

The issue of annexing 1409 Sangamon Road failed at City Council last July. Annexing them would have made the road contiguous and the City did not want to take over maintenance of the road. Tom & Ruby Forrest are again requesting water service. Superintendent Speagle feels they should be allowed to access water after filling out an annexation agreement which would allow us to annex in the future if criteria changes. He is asking to allow them water after signage and return of annexation papers and fees. He would like City Attorney Romano to change section 8-4-11A of the City Code giving City Council authority to decide if it is in the City's interest to annex even if the property is contiguous.

Motion by Alderman Walters and seconded by Alderman Budd to recommend to the City Council to allow water service to 1409 Sangamon Road and not annex the property at this time based on approval of the City Attorney and change in the City Code if it is legal (allowed by City Attorney). Motion carried 4-0.

#### **WATER SUPERINTENDENT'S REPORT**

##### Cross Connection Control

AquaBackflow is sending letters to Cross Connection Control Device Inspectors in the area advising them of the online submittal for inspection forms. Superintendent Speagle has a sample of the user data they are to use to send out surveys for citizens to fill out.

Alderman Walters noted that there are three local plumbing contractors in the area who are certified for Cross Connection Control.

##### AMR-Automated Meter Reading

We currently have over 3,187 AMR's in the system.

#### **ANY OTHER MATTERS**

##### City Hall Water Leak

Water Department employees have been trying to determine where the water service for the City Hall changes from copper to cast iron as there is a leak inside the building and the plumber may have to go to the wall for repairs. They excavated an area 8 ½ feet deep at the entrance to the Police Department, but found it is still copper there and a ¾" line is running from the inside of the building and extending outside to an unknown location. They will continue looking and coordinate with a plumber when the area is found.

##### Request for City Water for 1560 N 1100 E Road

Dick Breckenridge resides in City Limits but does not have access to City Water at this time. For us to provide water service to his house would cost in excess of \$150,000.00 as we would have to run a water main north off Route 104. He has signed up with Sharpsburg and Neighboring Area Water (SNAWS) to get access to potable water but SNAWS will require a roadway permit or easement to extend south across 1600 N Road which is also in the City. They are requesting this utility easement.

Superintendent Speagle suggested the City get an agreement where we allow a service line only and in the event that the City would have water service available that SNAWS would cease to serve the customer. Do we have legal authority in the future to disconnect and connect to our system? Chairman Dorchinecz will check with the City Attorney for available options.

Motion by Alderman Walters and seconded by Alderman Vota to adjourn. Motion carried 4-0. Meeting adjourned at 6:46 P.M.

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Ernie Dorchinecz, Chairman



## WATER/ENVIRONMENTAL COMMITTEE

August 13, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Budd  
Alderman Vota

### ALSO PRESENT

Mayor Brotherton  
Alderman Heberling  
Alderman Burtle

Superintendent Speagle  
Treasurer Nation  
Bev Morrison

Chairman Dorchinecz called the meeting to order at 8:29 P.M.

### MONTHLY STATUS REPORT

Superintendent Speagle presented the Monthly Status report for June which shows 25% of Lake Taylorville Water was used compared to 75% of Well Water. There were 336 shutoff notices mailed in June resulting in 28 shutoffs. The Monthly Status report for July shows 20% of Lake Taylorville Water was used compared to 80% of Well Water. There were 405 shutoff notices mailed resulting in 40 shutoffs.

Superintendent Speagle explained that meter wells with dual settings are installed in apartment or multiple dwelling areas.

### ANIONIC FEED PUMP REPLACEMENT

Superintendent Speagle would like to replace the current anionic polymer feed pumps which feed polymer to the clarifiers. Our current Encore pumps are in good working order but aren't compatible with our low head/low flow conditioners. Hydro-Knetics had the lowest quote and Seepex is known to be a very good line of equipment. The price for one Seepex progressive cavity pump with VFD is \$3,750.00. If two pumps are purchased, the price per pump is \$3,550.00 per unit plus freight with delivery in five to seven days.

By changing the pumps we will be able to mix the anionic at twice the strength we currently are mixing but should get a turndown feed of four times. We are currently paying \$3.08 per lb. and should see a cost savings of \$40.00 per day after reaching the desired ratio and have a payback point in six months.

Motion by Alderman Budd and seconded by Alderman Walters to recommend to the City Council to allow Superintendent Speagle to purchase two Seepex progressive cavity pumps from Hydro-Knetics at a purchase price of \$7,100.00 for the Clarifier Building at the Water Plant. Motion carried 4-0.

### pH METER PURCHASE

Superintendent Speagle needs to replace two pH meters at the Treatment Plant which monitor the pH on the Clarifier effluents, as the current Hach units will not stay calibrated. He would like to purchase two Prominent Dulcometer DMT from Hydro-Knetics Inc. (\$2,295.00 each) for a total cost of \$4,686.00 including freight. He has been demo-ing one unit for a month and is very pleased.

Motion by Alderman Walters and seconded by Alderman Budd to recommend to the City Council to allow Superintendent Speagle to purchase two Prominent Dulcometer DMT Meters from Hydro-Knetics, Inc. for a total cost of \$4,686.00 including freight. Motion carried 4-0.

### **ANNEXATION ISSUES**

Mayor Brotherton and Chairman Dorchinecz will meet with Ahlstrom's in the next few weeks regarding annexation to the City.

### **DELINQUENT WATER AND/OR SEWER BILLS ORDINANCE**

A sample ordinance was presented allowing the Water Department to send 90 day delinquent water bills to a collection agency or the City Attorney with the debtor incurring collection or attorney fees OR the City to lien the property whenever a bill for water service remains unpaid after 60 or more days.

Chairman Dorchinecz has issues with the Water Bills Lien section. He does not feel the landlord should be penalized by having a lien placed on his property for the failure of a renter to pay his water bill. He stated this has been in the ordinance for many years but has never been applied. He would like that section removed from the sample ordinance.

Motion by Alderman Walters and seconded by Alderman Vota to recommend to the City Council to direct the City Attorney to change the sample ordinance for delinquent water and/or sewer bills Section 8-4-9 B.5. from 90 calendar days to 60 calendar days and delete all of Section 8-4-9 C. regarding Water Bills A Lien. Motion carried 4-0.

### **WATER SUPERINTENDENT'S REPORT**

#### **New Plant**

Superintendent Speagle reported he has been meeting every month at Benton & Associates and feels they are getting close to a solid layout. He gave a very informative talk and presented large prints of what the new plant and facilities could look like. He talked about some changes he would like made, how and why things are placed as they are.

#### **Cross Connection Control**

Cross Connection Control Device Inspectors have been advised of the online submittal for inspection forms. Superintendent Speagle will send to local inspectors to make sure they have received this information.

#### **Verizon**

Verizon is still in contact with the City regarding their interest in putting their antennas on the City Water Tower.

Motion by Alderman Vota and seconded by Alderman Walters to adjourn. Motion carried 4-0. Meeting adjourned at 9:52 P.M.

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Ernie Dorchinecz, Chairman

WATER/ENVIRONMENTAL COMMITTEE  
September 10, 2015

**MEMBERS PRESENT**

Aldermen Dorchinecz  
Alderman Budd  
Alderman Vota

**MEMBERS ABSENT**

Alderman Walters

**ALSO PRESENT**

Mayor Brotherton  
Superintendent Speagle  
Marc Poling  
Joann Petino  
Nina Wunderlich  
Sharon Kleinik  
Sally Brusveen

Ellen Colbrook  
Charlie Herpstreith  
Chuck Willard  
Gina Watson  
Jackie Willard  
Alderman Burtle  
Alderman Heberling

Chairman Dorchinecz called the meeting to order at 6:03 P.M.

**PROCLAMATION FOR THE DAUGHTERS OF THE AMERICAN REVOLUTION**

Mayor Brotherton presented members of the Daughters of the American Revolution with a Proclamation proclaiming September 17-23,2015 to be Constitution Week in Taylorville.

**MONTHLY STATUS REPORT**

Superintendent Speagle presented the Monthly Status report for August which shows 27% of Lake Taylorville Water was used compared to 73% of Well Water. There were 404 shutoff notices mailed resulting in 40 shutoffs. He also advised there were multiple people on J.U.L.I.E locators most of the week of August 21<sup>st</sup> and they have been concentrating on getting the meter wells installed; when complete they can begin doing monthly billings.

**CATHODIC PROTECTION MAINTENANCE PLAN RENEWAL**

Superintendent Speagle advised there is cathodic protection on the water towers that require periodic maintenance. There is a yearly maintenance agreement with Corpro Co. for the equipment at Cherokee Street Tower, the High School Tower and the South West Tower for \$760.00 each, which is a \$35.00 per tower increase over last year. This covers an annual test and inspection but does not cover replacement parts.

Motion by Alderman Vota and seconded by Alderman Budd to recommend to the City Council to authorize the annual agreement with Corpro Co. for the amount of \$2,280.00 per Superintendent Speagle's recommendation. Motion carried 3-0.

**BIOTTA PILOT FEE APPROVAL**

The Committee reviewed a proposal from AdEdge which is the marketing firm for BIOTTA. BIOTTA is biological removal of nitrates that we are possibly pursuing to acquire for the new treatment plant. The total cost for the pilot is \$80,000.00; there is currently no operating installation of this system anywhere so to prove to the City and to the IEPA that it will function Superintendent Speagle is asking approval to run a pilot program of the treatment on our actual well water which once treated and measured for nitrates and other constituents will be discharged to waste. This system is a brand new process which has been approved in California and one in

Minnesota but not implemented yet. This will be the first in Illinois. With this being the first installation, the company will be sending people here to make sure everything is working well. As it is new, he anticipates people coming to the plant to observe before they make future purchases of the product.

The pilot protocol still has to be approved by IEPA before the City can proceed but he wants to be prepared, so as not to inhibit the process. The cost of the pilot is \$80,000.00 which is shared between the City and AdEdge as both will share in the use of the data; the City to determine if the system works and AdEdge to provide data to other possible purchasers. The City's cost will be \$30,000.00 for the pilot and approximately \$3,000.00 to send and pay for third party sample analysis of certain criteria. There will not be any chemical costs as the acetic acid is being provided by AdEdge which is approximately \$150.00. Brenntag, the City's chemical supplier, is paying for the other two chemicals. There will be a cost for an electrician but it should be minimal.

Superintendent Speagle advised the cost to the City will be approximately \$35,000.00. There is an agreement the Mayor will have to sign. He didn't see a problem with the agreement but didn't have any objections to sending it to City Attorney Romano if the Committee decided to do so.

Motion by Alderman Budd and seconded by Alderman Vota to recommend to the City Council to enter the Biotta/AdEdge Pilot Study at a cost of \$35,000.00. Motion carried 3-0.

### **SURFACE WASH VALVE REPLACEMENT PURCHASE**

Superintendent Speagle would like to purchase a butterfly valve and actuator for the surface wash on filter #3 which recently had a valve break.

Motion by Alderman Vota and seconded by Alderman Budd to recommend to the City Council to allow Superintendent Speagle to purchase a butterfly valve and actuator from Henry Pratt Company at a cost not to exceed \$2,264.00. Motion carried 3-0.

### **ANNEXATION ISSUES**

Chairman Dorchinecz advised he and the Mayor met with Mike Hady and J.C. Olive of Ahlstrom's to discuss annexing the plant into the City. There will be further discussions at next month's meeting.

### **WATER SUPERINTENDENT'S REPORT**

#### **New Plant**

Superintendent Speagle advised they have been meeting about every month; Reggie Benton will be present at the next Water Committee Meeting. They have solidified the design with the exception of Carbon Dioxide feed and Nitrate removal. Superintendent Speagle has a 3D image of the new plant on his computer at the Water Plant if anyone from the Committee would like to view the layout. Mr. Benton should have a footprint of the plant at next month's meeting but they are still making alterations at this point.

They are currently working on the administrative area layout and the aesthetic views of the plant. He presented the Committee with pictures. They are considering the use of KalWall which is a product that lets in diffused natural light in the day but only glows at night as opposed to directing artificial light outward. He had a list of different areas including several in Decatur if the members of the Committee wanted to go view some buildings. Alderman Budd advised the new gym at North School has KalWall in the top panels of the gym.

#### AMR-Automated Meter Readings

The Department is continuing the change out program concentrating on meter wells. They are over half way; have 3,276 AMR's in the system. He stated his goal is to go to monthly billing after the next rate increase which will help residents budget for their water/sewer bill.

#### Verizon

The attorney representing Verizon informed the City Attorney that he was instructed to halt negotiations.

#### Summit Ave

He has met with Mr. McManigell to discuss some of his requests and had a J.U.L.I.E done at this property to possibly remove existing water lines. He is currently waiting on City Attorney Romano before moving forward.

#### **ANY OTHER MATTERS**

Mayor Brotherton advised City Engineer Joe Greene has submitted an Emergency Grant for the collapsing Lift Station. It could be months before there is word on the grant and asked the five Aldermen in attendance if they want Mr. Greene to start working on this project, they all agreed realized the work has to be done.

Motion by Alderman Vota and seconded by Alderman Budd to adjourn. Motion carried 4-0.  
Meeting adjourned at 6:59 P.M.

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Ernie Dorchinecz, Chairman

## WATER/ENVIRONMENTAL COMMITTEE

October 8, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Budd  
Alderman Vota

### ALSO PRESENT

Mayor Brotherton  
Alderman Moore  
Treasurer Nation  
Barb Anderson  
Jerry Jordan  
Marlin Brune  
Airport Manager Newberry

Superintendent Speagle  
Alderman Burtle  
Reggie Benton  
Jamie Headen  
J. C. Olive  
Superintendent Jackson  
Bev Morrison

Chairman Dorchinecz called the meeting to order at 6:00 P.M.

### MONTHLY STATUS REPORT

Superintendent Speagle presented the Monthly Status report for October which shows 19% of Lake Taylorville Water was used compared to 81% of Well Water. There were 410 shutoff notices mailed resulting in 29 shutoffs. Hydrant flushing so far for the year has used 2,150,842 gallons of water.

### PLANT DESIGN PROGRESS REPORT-BENTON & ASSOCIATES

Reggie Benton, President of Benton & Associates, Jamie Headen of Benton & Associates and Lead Architect Barb Anderson of Oates & Associates gave a presentation on the structure and layout, form and function of the new Water Treatment Plant. They stated it is multiple buildings in one complex, including areas for administration, shop, processing, treatment, training and education. The City will eventually decide if they want a block building (4-5 times more expensive), metal skin or a combination of each. Special material will be used to allow for natural lighting. The building should last 30 to 50 years with appropriate maintenance and there is room to install additional treatment processes or capacity if needed. Landscaping was discussed as far as utilizing berms and evergreens to diffuse the view of neighboring properties.

Jamie Headen spoke of the project schedule. He is trying to get clarification on a 2016 IEPA Low Interest Loan with Principal Forgiveness. Possible consideration in this would be population, household income, unemployment rate and population decrease. He stated if we are considering the principal forgiveness for the 30 inch sewer line and the new plant, we may only be eligible for one. There is also a possibility we could get reduced interest rates.

A Project Schedule & Implementation timeline was presented. Reggie Benton stated that they could have another presentation at a City Council Meeting when plans are closer to completion.

### ANNEXATION ISSUES

Chairman Dorchinecz stated the City Attorney will be looking at different industrial rates.

## **WATER SUPERINTENDENT'S REPORT**

### **Cross Connection Control**

Letters have been sent out to owners of backflow preventers in the area advising them their device needs inspection. Only one area plumber has signed up to submit data online.

## **ANY OTHER MATTERS**

### **SNAWS**

Chairman Dorchinecz advised that Dick Breckenridge (inside City Limits) would like to get City water but it is too expensive for the City to run water to that area. Mr. Breckenridge is considering SNAWS. City Attorney Romano has been asked to review this request.

Alderman Vota noted that he would like to get water to the Boyd Dappert Youth Reservation. There is another Co-Op in the area. Would that be a possibility?

At some point when we get enough AMRS installed we will be going to monthly billings. It was noted that the Sanitary District rates will go up 3% per year for 19 years.

The City bills the Sanitary District \$5,000.00 per month for doing their billing. If the City increased our rates, the Sanitary District would probably just pass that increase on to their sanitary fees.

Motion by Alderman Walters and seconded by Alderman Budd to adjourn. Motion carried 4-0. Meeting adjourned at 7:34 P.M.

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Ernie Dorchinecz, Chairman

## WATER/ENVIRONMENTAL COMMITTEE

November 12, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Walters  
Alderman Budd  
Alderman Vota

### ALSO PRESENT

Mayor Brotherton  
Alderman Moore  
Owen Lasswell  
Bev Morrison

Superintendent Speagle  
Alderman Heberling  
Treasurer Nation  
Pam Peabody\*

Chairman Dorchinecz called the meeting to order at 7:19 P.M.

### MONTHLY STATUS REPORT

Superintendent Speagle reported there were 385 shutoff notices mailed resulting in 52 shutoffs.

### WELL FIELD DEVELOPMENT AGREEMENT WITH LAYNE CHRISTENSEN COMPANY

Superintendent Speagle presented a proposal from Layne Christensen Company for Phase 1 of the processing to determine if and where we can locate two new wells in conjunction with a new plant. He had anticipated this phase going through the Illinois State Water Survey for approximately \$5,000.00 but they have not responded to our requests. As to not hold up the process and funding phase he and Benton & Associates would like for us to contract Layne to process this portion for a price of \$13,200.00. This was included in the design budget under pilot studies.

Motion by Alderman Walters and seconded by Alderman Budd to recommend to the City Council to enter into an agreement with Layne to complete Phase 1, which is Aquifer Testing with existing wells at a cost of \$13,200.00. Motion carried 4-0.

\*City Clerk Peabody arrived at 7:30 P.M.

### AMEND INDUSTRIAL WATER RATE CRITERIA

Chairman Dorchinecz presented copies of a letter from then City Attorney Broverman, dated November 2, 1990, stating that for two years the Department of Corrections would receive free water from the City of Taylorville. Thereafter the prison would pay outside the City rates because the prison is outside the City and that annexation to the City would give immediate reduction of water rates.

Their current average monthly cost outside the City is \$12,907.02. Chairman Dorchinecz figured a new calculation for average monthly cost outside the City at a Non Industrial Rate of \$48,353.29. He stated we have tried to contact several Governors (current and former) to annex the Prison, but received no reply. He would like to amend the definition of Industrial Users. He proposed the following motion.



Motion by Alderman Walters and seconded by Alderman Vota to recommend to the City Council to change the definition of Industrial User and begin billing the Prison at their new water rate which is the same as an outside the City Limit Non Industrial User. The recommended change for the definition is as follows “Industrial User: Any Entity whose monthly use of City water averages (over each preceding 6 month period) at least 1,000,000 cubic feet of water which equates to 7,501,876 gallons of water” effective the start of the State’s new fiscal year.

Mayor Brotherton asked how this compared with other prisons. Several Aldermen stated the City needs these prison jobs.

Superintendent Speagle stated his concerns as we will soon be asking the State for a low interest loan for the water plant, and we have Phase 5 Ward II improvements and the 30” Storm Sewer funding in the works.

Motion tied 2-2 with Aldermen Dorchinecz and Walters voting yes.

### **ANNEXATION ISSUES**

Chairman Dorchinecz informed the Committee that the City Attorney has prepared one set of Annexation Agreement Documents that can be used for both contiguous properties and non-contiguous properties.

City Clerk Pam Peabody presented figures for all elements needed to annex a property into the City. An estimate of \$515.00 was presented for one Annexation Agreement.

Motion by Alderman Budd and seconded by Alderman Walters to recommend to the City Council to accept the proposed Annexation Agreement Documents for City Water and/or Sewer Services and to charge a fee of \$200.00 for both contiguous properties and non-contiguous properties. The water connection fee is an additional \$60.00. Motion carried 4-0.

### **SUPERINTENDENT’S UPDATES**

Superintendent Speagle presented an update on the new water plant explaining that he met on November 10<sup>th</sup> from 9:30 a.m. till 6:00 p.m. with Benton & Associates concerning HVAC, chemical feed, plumbing fixtures and door access and other items. He presented an example of the metal that will be used on the roof and could be used on the walls.

He explained that the Illinois Pollution Control Board has revised the fluoride rule lowering the level from 1.0 to 0.7. At this time we have not been advised when to initiate the lowering or what the actual range may be.

Motion by Alderman Vota and seconded by Alderman Walters to adjourn. Motion carried 4-0. Meeting adjourned at 8:50 P.M.

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Ernie Dorchinecz, Chairman

## WATER/ENVIRONMENTAL COMMITTEE

December 10, 2015

### MEMBERS PRESENT

Aldermen Dorchinecz  
Alderman Vota  
Alderman Budd

### ALSO PRESENT

Mayor Brotherton	Superintendent Speagle
Alderman Burtle	Alderman Moore
Airport Manager Newberry	Treasurer Nation
Dave Langen	Owen Lasswell
Bev Morrison	

### MEMBERS ABSENT

Alderman Walters

Chairman Dorchinecz called the meeting to order at 6:00 P.M.

### MONTHLY STATUS REPORT

Superintendent Speagle reported that 13% of Lake Taylorville Water was used compared to 87% Well Water. There were 443 shutoff notices mailed resulting in 42 shutoffs.

### OWANECO WATER RATE ADJUSTMENT

The water rate for the Village of Owaneco needs to be adjusted every two years as per the Intergovernmental Agreement (60 year contract ending June 1, 2030). According to our latest City Audit the maximum allowable rate should be decreased from \$5.0021328 per 1,000 gallons of water to \$3.7387838 per 1,000 gallons of water. The agreements allow for the rates to be adjusted every two years with 45 day written notice. With this agreement we cannot count any new capital but rather cost of production plus 10%.

Aldermen noted that the City of Taylorville residents are facing rate increases while due to the contract signed 60 years ago, the Village of Owaneco will see a decrease therefore no new capital will go towards the new plant. Chairman Dorchinecz suggested we pass a motion but have Dave Speagle review the cost of production with the City's auditors to ensure the Cost of Production was calculated correctly. We also will ask the City Attorney to review the contract to determine the validity of the water rate calculation.

Motion by Alderman Vota and seconded by Alderman Budd to recommend to the City Council to decrease the maximum allowable rate for the Village of Owaneco from \$5.0221328 per 1,000 gallons of water to \$3.7387838 per 1,000 gallons of water upon review by Superintendent Speagle and the City's Auditors. Motion carried 3-0.

### ASTHETIC IMPROVEMENTS/DESIGN TO WATER PLANT

Superintendent Speagle asked for the Committee's consideration and direction of several items regarding plant design.

The first issue was whether to have angled face (\$30,000 higher) or plumb face of the entryway to the administrative area in the plant.

The second issue deals with the Committee's request for more block on the front or south exposure of the building which would be a projected cost increase of \$30,000 - \$40,000. Committee Members have assured residents they will do their best to have the buildings appearance fit with the residential area.

Motion by Alderman Budd and seconded Alderman Vota to recommend to the City Council to use the plumb face for the entryway to the administrative area in the plant at an estimated \$30,000 cost decrease and add more block (two colors to be decided later) on the front or south exposure of the building with a projected cost increase of \$30,000 - \$40,000. Motion carried 3-0.

### **APPROVE BOND COUNSEL FOR WATER PLANT LOAN**

Motion by Alderman Vota and seconded by Alderman Budd to recommend to the City Council to direct Superintendent Speagle to contact Mike Southworth of Hart, Southworth & Witsman for Bond Counsel for the New Water Plant. Motion carried 3-0.

### **AWARD CHEMICAL BIDS FOR 2016**

Superintendent Speagle reported that since no bids were received for CO<sub>2</sub> he will rebid.

#### **Liquid Aluminum Sulfate**

Motion by Alderman Vota and seconded by Alderman Budd to recommend to the City Council to accept the low bid of \$387.89 per dry ton from Chemtrade Chemicals for Liquid Aluminum Sulfate. Motion carried 3-0.

#### **Liquid Chlorine (1-ton Cylinders)**

Motion by Alderman Vota and seconded by Alderman Budd to recommend to the City Council to accept the low bid of \$504.00 per ton from Brenntag Mid South for Liquid Chlorine (1-ton Cylinders). Motion carried 3-0.

#### **Carbon (Hydro Darco B)**

Motion by Alderman Vota and seconded by Alderman Budd to recommend to the City Council to accept the low bid of \$0.094 per pound from Brenntag Mid South for Carbon (Hydro Darco B). Motion carried 3-0.

#### **Hydrofluosilicic Acid 23%**

Motion by Alderman Vota and seconded by Alderman Budd to recommend to the City Council to accept the low bid of \$0.398 per pound from Brenntag Mid South for Hydrofluosilicic Acid 23%. Motion carried 3-0.

### **WATER SUPERINTENDENT'S REPORT**

#### **New Plant**

Superintendent Speagle stated that Benton & Associates will be sending the construction drawings for the New Water Plant to the EPA.

#### **South Wyandotte Street Water Main Replacement**

Materials will be bid in January for the South Wyandotte Street Water Main Replacement.

## **ANY OTHER MATTERS**

### **Water Department Issues**

Treasurer Nation was asked by a Property Manager if the City would decrease a water bill for a property owner when a tenant who was issued an Eviction Notice intentionally damaged the property driving up the water bill to \$472.00. Committee Members feel this is a civil matter.

Treasurer Nation was asked if the City could place a penalty on the State's (prison) account. Superintendent Speagle stated a 1 ½% late fee could be charged by State Statute. Mayor Brotherton stated we would only be billing ourselves.

Motion by Alderman Vota and seconded by Alderman Budd to adjourn. Motion carried 3-0. Meeting adjourned at 6:58 P.M.

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Ernie Dorchinecz, Chairman