

MEMORANDUM

TO: Village President and Board of Trustees

FROM: Robert O. Barber, Village Administrator

DATE: Friday, January 24, 2020

RE: VILLAGE ADMINISTRATOR MATERIALS FOR VILLAGE BOARD MEETING

BOARD MEETING DATE: *Monday, January 27, 2020 at 7:00 p.m.*

A G E N D A

I. PLEDGE TO THE FLAG

II. ROLL CALL

III. APPROVAL OF MINUTES OF THE PREVIOUS MEETINGS OF THE MONTH

IV. VILLAGE CLERK REPORT

V. RECOGNITION OF AUDIENCE

VI. REPORT OF THE VILLAGE PRESIDENT

1. QUIET ZONE UPDATE. The Notice of Intent Letter comment period expired on January 24th with no comments received. The Village can now apply for a permit from the railroad to make the improvements and apply for a permit from the County to move the grain elevator driveway. This work will be done in the Spring and we hope to have a final inspection of the work from the FRA in the Summer so we can have our quiet zone approved.

A. FINANCE AND ADMINISTRATION COMMITTEE - Frank Basile, Marcy Meyer

1. CONSIDER A RESOLUTION ADOPTING A DRUG AND ALCOHOL POLICY FOR VILLAGE EMPLOYEES WHICH NOW INCLUDES CANNABIS. This policy was drafted by the Illinois Municipal League, vetted by the Village Attorney and staff, and given to the unions for their review. This

policy needs to be adopted by the Board so that regulations of the use and possession of cannabis can be included in our policy in conformance with state law. The attached policy is enclosed for your review.

B. PUBLIC BUILDINGS AND PROPERTIES, PARKS AND RECREATION COMMITTEE - Scott Wehling, Todd Kraus

1. UPDATE ON SPLASH PAD PROJECT PLAN. The Chair of the committee had a meeting with the designer of splash pads and will provide the Board with an update at the meeting.

C. PLANNING, BUILDING AND ZONING COMMITTEE - Stacy Mazurek, Jonathan Kypuros

1. RESULTS OF FIRST PZC WORKSHOP ON THE ISSUE OF FENCES. This meeting was held on Thursday night and the Chair will provide an update as to what occurred.

D. PUBLIC SAFETY COMMITTEE - Todd Kraus, Scott Wehling

1. CONSIDER A MOTION DECLARING SURPLUS PROPERTY: 2007 FORD EXPEDITION. This EMA vehicle has been taken out of service since it is beyond its useful life. However, it still runs and is operational.
2. LARAWAY COMMUNICATIONS BOARD OF DIRECTORS MEETING SCHEDULED FOR THURSDAY, JANUARY 30TH. Todd Kraus and Bob Barber plan to attend as delegates. The bylaws are again under consideration for a vote.
3. COMMITTEE MEETS TO DISCUSS CODE ENFORCEMENT PROGRAM FOR 2020. This meeting was held last Thursday and a proposal will be brought for discussion at the next meeting.

E. PUBLIC WORKS COMMITTEE - Jonathan Kypuros, Stacy Mazurek

1. PRESENTATION: CLASS I WASTEWATER TREATMENT PLANT PERMIT COMPLIANCE DUE BY SEPTEMBER 1, 2020. Before we can apply for a new permit, we have to be in complete compliance with all special conditions placed on us on March 1, 2018 when we applied for permit to construct a Class I facility. These special conditions were not in the original permit to operate in 2015 and are so complicated they need to be explained terms by thwe engineer. The purpose of this brief presentation is to explain to the Board why it needs to spend another \$60,000 in engineering fees to achieve

compliance with the Class I facility permit. This amount will; be placed in the budget for the coming fiscal year.

Nichole Schaeffer, Permit Compliance Specialist for Baxter and Woodman will make the presentation and answer any questions you may have about this process. It basically involves surveying the industrial users in town for their use of phosphorous, drafting an O+M plan for phosphorous removal at the plant, and continuation of monitoring and and compliance reporting over the coming five years.

2. WATER AND SEWER PUMPING, BILLING AND TREATING REPORT FOR 2019 is enclosed for your review. What is of concern is the that gallons billed is trending downward every year to the point that the \$0.10 increase each year for the water and sewer departments is not keeping up with the rate of inflation. There is no immediate concern at this time but this trend needs to be monitored. Please see the enclosed report.
3. GOULD STREET WATERMAIN PROJECT UPDATE. The Village Administrator has asked the Will County Governmental League to intervene on the Village's behalf to see if our project funding can be pushed along. We are unique in that our project is ready to go while almost every other project has not even been designed yet. This "shovel readiness" will help our cause. We will let you know as soon as we hear something.
4. CONSIDER AUTHORIZING PAYMENT TO I.H.C. IN THE AMOUNT OF \$479,500.30 AS A PROGRESS PAYMENT AT THE BEECHER WASTEWATER TREATMENT PLANT UPON RECEIPT OF I.E.P.A. LOAN FUNDS. Please see the enclosed invoice.

F. ECONOMIC DEVELOPMENT AND COMMUNITY RELATIONS COMMITTEE
- Marcy Meyer, Frank Basile

1. COMMITTEE TO CONSIDER HAVING AN OPEN HOUSE FOR POTENTIAL RESIDENTIAL BUILDERS. This open house could also include local realtors. A presentation could be held on the properties available for building in the Village as well as the swift and inexpensive building permit approval process. The Village has already had some interest in vacant lots in town from some builders but only one lot here and there. We have also been advised that Nantucket Cove will be auctioned off in blocks of lots instead of the entire subdivision sometime in March if it does not sell by then.
2. SESQUICENTENNIAL UPDATE. The Committee is working on booking a band for the street dance on Saturday, July 25th. We need to set a time for the street dance and since we are including food vendors (Tony's Pizza wants a booth) we should probably consider starting at 6:00 p.m. or 6:30 p.m. and going to 11:00 p.m. Events are also being planned for the Beecher Lions Club Summerfest on Saturday, August 1st, including a skit on the stage by the Beecher part-time players, a huge birthday cake, and the laser light show at 9:00 p.m. The history book on the past 25 years is also progressing along and a public

unveiling of the book is planned around the 4th of July. \$17,000 has been raised to fund the printing of the book with any remaining funds being used to fund the rest of the celebration. Enclosed is the outline for the book and all of the text has been drafted and photos selected.

G. OLD BUSINESS

H. NEW BUSINESS

I. ADJOURN INTO EXECUTIVE SESSION (if necessary)

J. ADJOURNMENT

**MINUTES OF THE REGULAR MEETING OF THE PRESIDENT
& BOARD OF TRUSTEES OF THE VILLAGE OF BEECHER
HELD AT THE BEECHER VILLAGE HALL,
625 DIXIE HIGHWAY, BEECHER, ILLINOIS
JANUARY 13, 2020 -- 7:00 P.M.**

All present joined in the Pledge to the Flag.

President Szymanski called the meeting to order.

ROLL CALL

PRESENT: President Szymanski and Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.

ABSENT: Trustee Meyer.

STAFF PRESENT: Clerk Janett Conner, Administrator Robert Barber, Public Works Superintendent Matt Conner and Chief of Police Greg Smith.

GUESTS: George Schuitema.

President Szymanski asked for consideration of the minutes of the December 9, 2019 Board meeting. Trustee Wehling made a motion to approve the minutes as written. Trustee Basile seconded the motion.

AYES: (5) Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.

NAYS: (0) None.

Motion carried.

VILLAGE CLERK REPORT

Clerk Conner reported on income received since November 25, 2019.

REPORTS OF VILLAGE COMMISSIONS

There was no report for the Beautification Commission or Fourth of July Commission.

Trustee Mazurek reported that the next Youth Commission event is bowling on Martin Luther King Day. Their next meeting is this Wednesday.

Trustee Wehling reported that the next Historic Preservation meeting will be held on January 15th at 6 p.m. at the Depot.

VILLAGE PRESIDENT REPORT

Board members considered referring the fence ordinance to the Planning and Zoning Commission (PZC) for a workshop to consider permitting solid fences in the rear and side yards not exceeding six feet in height. President Szymanski explained privacy issues have changed in time and he

would like this issue looked at again. Trustee Wehling expressed concerns about solid fences and safety. He asked for opinion from Chief Smith. Chief Smith said it can go either way. It could help avoid some neighbor disputes even though they would like open fences for police visibility. The history of the fencing issue was discussed. After some discussion, Trustee Mazurek made a motion to refer the fence ordinance to the PZC for a workshop to consider permitting solid fences in rear and side yards not to exceed six feet in height. Trustee Kraus seconded the motion.

AYES: (4) Trustees Mazurek, Basile, Kypuros and Kraus.

NAYS: (1) Trustee Wehling.

Motion carried.

A. FINANCE AND ADMINISTRATION COMMITTEE

TREASURER'S REPORT: A copy of the Treasurer's report was provided to the Board for review and Administrator Barber reported in the absence of the Treasurer. Trustee Basile made a motion to approve the Treasurer's Report and the Report of Financial Activity in the prior month. Trustee Wehling seconded the motion.

AYES: (5) Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.

NAYS: (0) None.

Motion carried.

Variance reports for the preceding month were provided in the packet for review.

A list of bills totaling \$168,494.25 to be paid was available for review. A summary of the list of bills was provided. Trustee Basile made a motion to approve payment of the list of bills as presented. Trustee Mazurek seconded the motion.

AYES: (5) Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.

NAYS: (0) None.

Motion carried.

A workshop will be held to discuss the five-year financial plan at the end of the Board meeting.

B. PUBLIC BUILDINGS AND PROPERTIES, PARKS AND RECREATION COMMITTEE

A referendum to determine interest in establishing a park district will be on the March 17th ballot. Information to go out to residents before the referendum.

Trustee Wehling has set up a meeting with a splash pad vendor on Wednesday. He will let the Board know what comes out of the meeting.

C. PLANNING, BUILDING AND ZONING COMMITTEE

The Building Department annual report was included in the packet for review. Only one new home permit was issued and 230 miscellaneous permits for home improvements.

The next PZC meeting is scheduled for January 23rd at 7:00 p.m.

D. PUBLIC SAFETY COMMITTEE

Trustee Kraus provided a new full-time hiring list for police officers. The list will be good for two years upon approval.

The Police Department's new 2020 pick-up truck has arrived and is being set up with equipment.

The 2019 animal control annual report was provided in the packet for review. This year's program cost \$1,830.

Trustee Kraus requested an Executive Session be held at the end of the meeting to consider a candidate for full-time employment replacing Officer Sipple who joined the auto theft task force.

E. PUBLIC WORKS COMMITTEE

Administrator Barber provided a wastewater treatment plant improvement project update. A meeting will be held on Tuesday. There are some issues with the new SCADA system that are being worked through. Restoration at the plant will not occur until April. A May or June ribbon cutting is being anticipated.

A Gould Street watermain project update was provided. The project low bid of \$880,000 was extended to June 15, 2020 for a 2% surcharge. We are still waiting to hear how the State is going to fund these projects they have committed to in the capital bill.

A water loss update was provided. Public Works, using the leak detection equipment purchased in 2017, found two substantial leaks in Nantucket Cove Subdivision due to failed service lines. The lines have been dug up and repaired. Superintendent Conner reported that he found an additional leak in Nantucket Cove which will be repaired this week. Public Works will be looking at Prairie Crossings and Prairie Crossings South next.

Trustee Kypuros made a motion to approve payment to Baxter and Woodman in the amount of \$19,521.52 for construction management services at the Beecher wastewater treatment plant pending the receipt of Illinois Environmental Protection Agency (IEPA) load funds. Trustee Mazurek seconded the motion.

AYES: (5) Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.

NAYS: (0) None.

Motion carried.

F. ECONOMIC DEVELOPMENT AND COMMUNITY RELATIONS COMMITTEE

The Economic Development and Community Relations Committee report was tabled until Trustee Meyer could be present.

ADJOURN INTO EXECUTIVE SESSION

Trustee Wehling made a motion to adjourn into Executive Session at 7:22 p.m. to consider a candidate for full-time police officer to replace Roger Sipple. Trustee Basile seconded the motion.

AYES: (5) Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.

NAYS: (0) None.

Motion carried.

Trustee Kraus made a motion to return to regular session at 7:46 p.m. Trustee Kypuros seconded the motion.

AYES: (5) Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.

NAYS: (0) None.

Motion carried.

Trustee Kraus made a motion to authorize hiring of Brian Fravel as new full-time Police officer as a lateral transfer. Trustee Wehling seconded the motion.

AYES: (4) Trustees Mazurek, Wehling, Kypuros and Kraus.

NAYS: (1) Trustee Basile.

Motion carried.

NEW BUSINESS

President Szymanski indicated that the Buchmeier building on Penfield will need to be addressed in the near future due to the condition of the building. The building does have historical significance. He wanted to make the Board aware of the issue.

The Board reviewed the five-year financial plan. Administrator Barber went over the eight points in the cover memo of the plan. After some discussion, Trustee Basile made a motion to approve five-year plan for fiscal years 2020-2024. Trustee Kypuros seconded the motion.

AYES: (5) Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.

NAYS: (0) None.

Motion carried.

The following reports were provided in the packet for review:

1. Building Department – November
2. Building Department – December
3. Police Department – November
4. Police Department – December
5. Water Department – November
6. Water Department – December
7. Sewer Department – November
8. Sewer Department – December
9. Sewer Plant Annual Report – 2019
10. Water Billing Register – November-December, 2019

There being no further business, President Szymanski asked for a motion to adjourn. Trustee

Kypuros made a motion to adjourn the meeting. Trustee Kraus seconded the motion.
AYES: (5) Trustees Mazurek, Basile, Wehling, Kypuros and Kraus.
NAYS: (0) None.
Motion carried.

Meeting adjourned at 8:02 p.m.

Respectfully submitted by:

Janett Conner
Village Clerk

RESOLUTION # _____

**A RESOLUTION ADOPTING AN AMENDED DRUG AND ALCOHOL POLICY
FOR THE VILLAGE OF BEECHER**

WHEREAS, the State of Illinois has legalized the sale, possession and use of recreational cannabis; and

WHEREAS, the employees of the Village of Beecher perform first-responder and critical services to the residents of the Village of Beecher; and

WHEREAS; the State of Illinois has not restricted the employer's right to a drug-free workplace; and

WHEREAS, the Illinois Municipal League has drafted a policy which it believes is in conformance with state law and case law on the matter, and closely resembles the current Village policies as they pertain to alcohol; and

WHEREAS, this policy has been reviewed and amended by Village staff to meet the Village's needs and approved for use by the Village Attorney;

NOW THEREFORE BE IT RESOLVED by the President and Board of Trustees of the Village of Beecher, Will County, Illinois, that Section 9.11 of the Village's Personnel Manual is hereby amended according to the attached document.

Approved by motion this _____ day of _____, 2020.

MOTION: _____ SECOND: _____

AYES: _____ NAYS: _____ ABSENT: _____

APPROVED BY ME THIS _____ DAY OF _____, _____.

Greg Szymanski
Village President

ATTEST:

Janett Conner
Village Clerk

Date

The following shall replace Section 9.11 of the Village of Beecher Personnel Manual

**VILLAGE OF BEECHER
Drug and Alcohol Policy**

Section 9.1 – DRUG AND ALCOHOL USE AND ABUSE BY VILLAGE EMPLOYEES. The following is the policy of the Village of Beecher (“Village”) for the use and abuse of drugs and alcohol by employees when on duty or reporting for duty. The Village has adopted a separate drug and alcohol abuse policy for commercial license drivers (CDL) employed by the Village as required by Federal law. These employees must obtain this separate policy from their supervisor and sign an acknowledgement form. There may also be specific departmental regulations which exceed these policies.

Drug-Free Workplace

In order to ensure a safe work environment and compliance with the Drug-Free Workplace Act of 1988 (41 U.S.C. 8101 *et seq.*), the Village maintains a drug-free workplace. Accordingly, the Village prohibits employees from engaging in the unlawful manufacture, distribution, dispensation, or use of a controlled substance in accordance with the requirements of the Public Law 100–690, 102 Stat. 4181, use of drugs, and use of alcohol in the workplace. The foregoing prohibition shall apply to Village property, including in Village vehicles and any private vehicles parked on Village premises or worksites.

For purposes of this policy, the term “drugs” includes, but shall not be limited to: (i) any non-prescribed controlled substance that the employee is not authorized to possess or consume by law; (ii) any substance listed in the Controlled Substances Act (720 ILCS 570 *et seq.*); (iii) any substance listed in the Cannabis Control Act (720 ILCS 550 *et seq.*); and (iv) drugs or substances which may not be listed in the Controlled Substances Act or the Cannabis Control Act but which have adverse effects on perception, judgment, memory, or coordination. A non-exhaustive list of applicable drugs includes, but is not limited to, the following:

Opium	Psilocybin-psilocin
Morphine	MDA
Codeine	PCP
Heroin	Chloral Hydrate
Meperidine	Methylphenidate
Cannabis	Hash
Barbiturates	Hash Oil
Glutethimide	Steroids
Methaqualone	Tranquilizers
Cocaine	Amphetamines

Phenmetrazine
Mescaline

LSD

I. Prohibited Conduct

The following conduct is prohibited:

1. The unauthorized use, possession, manufacture, distribution, or sale of drugs, drug paraphernalia, or alcohol while on or in Village property, while conducting work-related business, or during working hours.
2. Being under the influence of drugs or alcohol while on or in Village property, while conducting work-related business, or during working hours.
3. Being under the influence of legal or prescribed drugs or chemicals used in excess of, or in non-conformity with, prescribed limits while on or in Village property, while conducting work-related business, or during working hours.
4. The illegal use, possession, manufacture, distribution, or sale of drugs or drug paraphernalia (while on or off duty).
5. The Village prohibits its law enforcement officers from the use, possession, manufacture, distribution or sale of cannabis while on or off duty unless it is in the performance of one's duties.
6. Failing to notify an employee's supervisor prior to starting work of any known side effects of medications, prescription drugs, or other chemical compounds or supplements of any kind, including cannabis, that the employee is taking (or has taken) which might affect the performance of the employee's duties.
7. Refusing to immediately submit to an alcohol and/or drug test when requested by a supervisor.
8. Failing to provide, within one workday following a request, documentation confirming a valid prescription for any drug or medication identified by a positive drug test.
9. Failing to adhere to the requirements of any drug or alcohol treatment program in which the employee is enrolled as a condition of continued employment.
10. Failing to notify the employee's supervisor of any arrest, conviction, or relevant plea (including pleas of guilty and *nolo contendere*) relating to drugs or alcohol no later than the earlier of the next date the employee is scheduled to work or two calendar days following the arrest, conviction, or plea.

11. Tampering with, adulterating, altering, substituting, or otherwise obstructing any testing process required pursuant to this policy.
12. Performing any safety-sensitive duties while having a blood alcohol concentration of .02 or greater.
13. Possessing or using drugs or alcohol while on duty or while operating a commercial vehicle.
14. Consuming alcohol or cannabis during the eight-hour period following an accident requiring a drug and alcohol test before a post-accident alcohol or drug test is given.
15. Reporting for duty or remaining on duty requiring the operation of a commercial vehicle when the employee has used a drug or drugs, except when the use is pursuant to instructions of a physician who has advised the employee that the substance does not adversely affect the employee's ability to safely operate a commercial vehicle.

II. Required Conduct

The following conduct is required of all Village employees:

1. Employees must notify their supervisor prior to starting work of any known side effects of medications, prescription drugs, or other chemical compounds or supplements of any kind, including cannabis, that they are taking (or have taken) which might affect the performance of their duties or threaten the safety of the employee or any other person.
2. Employees must notify their supervisor of any arrest, conviction, or relevant plea (including pleas of guilty and *nolo contendere*) relating to drugs or alcohol no later than the earlier of the next date the employee is scheduled to work or two calendar days following the arrest, conviction, or plea. In accordance with federal law, the Village will notify any applicable federal contracting officer(s) of any relevant conviction(s) or plea(s) within 10 days of receiving notice of the conviction or plea.
3. Employees must submit to drug testing in accordance with this policy and applicable law.

III. Voluntary Treatment for Abuse of Drugs and/or Alcohol

The Village strongly encourages employees who believe or suspect that they may be abusing drugs and/or alcohol to voluntarily seek treatment before their job performance is affected. Any

employee who notifies the Village of alcohol or drug abuse problems will be treated in the same manner as any other employee with an illness. Information and communications regarding an employee's voluntary treatment or counseling due to actual or suspected drug and/or alcohol abuse shall remain confidential in accordance with state and federal law.

Employees who voluntarily seek treatment for drug and/or alcohol abuse shall not be subject to discipline, discharge, or discrimination based solely on such voluntary treatment if the treatment is sought prior to:

1. The employee testing positive for illegal drugs and/or alcohol;
2. The employee being notified of an upcoming drug and/or alcohol test;
3. The occurrence of an event that gives rise to reasonable suspicion that the employee is under the influence of drugs and/or alcohol;
4. Any return to duty or related follow-up testing for drugs and/or alcohol; and/or
5. The occurrence of an accident which requires the employee to submit to drug and/or alcohol testing.

Employees who seek voluntary treatment for drug and/or alcohol abuse shall continue to be subject to appropriate disciplinary action up to and including termination for substandard job performance, unexcused absences, abuse of drugs and/or alcohol, or any other violations of this manual, whether such violations are directly or indirectly related to the employee's use of drugs and/or alcohol.

Furthermore, employees who voluntarily seek treatment for drug and/or alcohol abuse shall not be excused from required drug and/or alcohol testing in accordance with this policy even when voluntary treatment was sought prior to the testing in question. No employee shall be permitted to use voluntary treatment for drug and/or alcohol abuse to avoid otherwise legitimate disciplinary action for failure to comply with this policy or other provisions of the manual.

Employees may request a medical leave of absence to obtain treatment for drug and/or alcohol abuse in accordance with the Family and Medical Leave Act of 1993 and other applicable law. Such leave requests shall be treated in the same manner as any other request for leave pursuant to this policy. The Village may also grant reasonable accommodations for employees being treated for drug and/or alcohol abuse so long as those employees are participating in a treatment program and are not currently abusing drugs and/or alcohol. The Village will not retaliate or discriminate against any employee for requesting leave or a reasonable accommodation to obtain treatment for drug and/or alcohol abuse.

IV. Acknowledgement

In accordance with applicable law, employees are required to acknowledge and agree to this policy as a condition of employment. Any employee violating this policy is subject to discipline, up to and including termination of employment.

Drug and Alcohol Testing of All Employees

I. Reasonable Suspicion

All employees are required to submit to alcohol and/or drug testing if a supervisor determines that there is reasonable suspicion to believe that an employee has been using illegal drugs, abusing prescribed drugs, is under the influence of alcohol or cannabis, or is consuming alcohol or cannabis while working.

For the purposes of this policy, reasonable suspicion means a belief based on objective facts sufficient to lead a reasonable prudent person to find that an employee is using, or has used, drugs or alcohol in violation of this policy. Such a suspicion shall be drawn from specific, objective facts and reasonable inferences drawn from those facts in light of experience.

Some factors that may be considered in determining whether a finding of reasonable suspicion is appropriate may include, but are not limited to, any of the following, alone or in combination:

1. Observable phenomena, such as direct observation of drug or alcohol use, the presence of the odor of drugs or alcohol on or about the employee and/or the physical symptoms or manifestations of being under the influence of drugs or alcohol;
2. Abnormal conduct or erratic behavior;
3. Excessive unexcused absenteeism, tardiness, or deterioration in work performance;
4. Slurred speech or unsteady walking or movement;
5. Illegal possession of drugs or controlled substances or an arrest for violation of a drug statute;
6. Information obtained from a reliable and credible source with personal knowledge that has been independently corroborated;
7. Testing for cannabis based on reasonable suspicion shall be supported by the good faith belief that there is some impairment of the employee while at the workplace, while engaged in work for the employer or while on call subject to the definition of those terms in the Cannabis Regulation and Tax Act, 410 ILCS 705/10-50.

Once reasonable suspicion has been determined, the employee shall be required to take the applicable drug and/or alcohol test. An order to submit to testing shall be in writing and signed by a supervisor. If an employee declines the test, it will be treated as a positive test and the employee will be subject to discipline up to and including termination. When an employee is ordered to submit to a drug and/or alcohol test as a result of a supervisor's reasonable suspicion, the employee will not be allowed to return to work pending the results of the drug and/or alcohol test.

II. Post-Accident Testing

All accidents, including those involving a vehicle, must immediately be reported to an employee's supervisor. The supervisor shall investigate the circumstances of the accident and determine if there is reasonable suspicion to require a drug and/or alcohol test. If it is determined that the employee caused or contributed to occurrence of the accident or the employee was otherwise at fault, the employee may be required to submit to a drug and alcohol test regardless of the existence of reasonable suspicion.

Post-accident testing for cannabis shall be supported by the good faith belief that there is some impairment of the employee while at the workplace, while engaged in work for the employer or while on call subject to the definition of those terms in the Cannabis Regulation and Tax Act, 410 ILCS 705/10-50.

If post-accident drug and/or alcohol testing is ordered, the employee involved must submit to a drug and/or alcohol test within two hours of the accident. An employee who fails to remain readily available for post-accident testing or leaves the scene of an accident without a valid reason or permission by his or her supervisor will be deemed to have refused to submit to testing. The employee to be tested shall not be permitted to drive himself or herself to the collection site.

III. Types of Testing

Any of the following methods may be utilized to test an employee for the presence of drugs and/or alcohol:

1. Urine testing;
2. Evidentiary breath testing device (Breathalyzer);
3. Blood testing;
4. Hair follicle testing; or
5. Saliva testing.

IV. Licensed Clinical Laboratory Only

The Village shall use only licensed clinical laboratories for drug and/or alcohol testing. Such laboratories shall be responsible for maintaining a proper chain of custody of any samples. If an employee tests positive for drugs and/or alcohol, a confirming test shall be conducted. The laboratory will not submit a positive test result to the Village unless the confirming test result is also positive for the same sample. The laboratory shall retain a portion of the tested sample so the employee can arrange for another confirming test to be conducted by a licensed clinical laboratory of the employee's choice and at the employee's expense. Once the portion of the

tested sample is delivered to the clinical laboratory selected by the employee, the employee shall be responsible for maintaining the proper chain of custody for that portion of the sample.

Employees who test positive for drugs may request a second test of the remaining portion of the split sample within 72 hours of notification of a positive test result by a medical review officer. A medical review officer is a licensed physician responsible for receiving and interpreting laboratory results from applicable tests.

V. Records Relating to Drug and/or Alcohol Tests

Records reflecting positive drug and/or alcohol tests will be kept in the employee's file and will be kept confidential in accordance with applicable law. Information regarding drug and/or alcohol tests and an employee's participation in a substance abuse rehabilitation program may be disclosed to supervisors only if such information relates to the employee's ability to perform his or her work duties or the employee's need for a reasonable accommodation under the Americans with Disabilities Act of 1990 or other applicable law.

For employees in safety sensitive positions, the following records shall be maintained for a minimum of five years: (i) records of annual management information system reports; (ii) records regarding employee evaluations and referrals to substance abuse professionals; (iii) records relating to follow-up tests and follow-up schedules; (iv) records relating to refusals to submit to drug and/or alcohol tests; (v) records of alcohol test results indicating an alcohol concentration of .02 or greater; (vi) verified positive drug test results; and (vii) breath testing device calibration documentation.

VI. Required Records from Prior Employment as Driver of a Commercial Vehicle

In accordance with applicable law, any individual who is given an offer of employment for a safety-sensitive position requiring a commercial driver's license (CDL) and who has worked as a driver of a commercial vehicle during the two-year period immediately preceding the offer of employment, must authorize his or her prior employer(s) during the two-year period immediately preceding the offer of employment to release information to the Village regarding any positive alcohol or drug tests and/or any refusal to submit to an alcohol or drug test.

This information must be obtained before the individual can be hired by the Village. However, if the information has not arrived by the individual's anticipated start date and the individual has passed a pre-employment drug test, the individual may be hired, and the requested information can be obtained from the individual's prior employer(s) within 14 calendar days of the individual's date of hire. If the information has not been received within 14 calendar days of the individual's date of hire, the individual will not be permitted to drive a commercial vehicle until the information has arrived. If the information obtained from any prior employer indicates that the individual tested positive for drugs or alcohol or refused to be tested during the past two years, that individual will not be permitted to drive a commercial vehicle unless subsequent information indicates that the individual was evaluated by a substance abuse professional and successfully completed return to duty testing.

VII. Compensation

If an employee is ordered to submit to an involuntary post-employment drug and/or alcohol test, the time spent by the employee traveling to and from the test and waiting for and undergoing the test will be considered compensable working time unless otherwise provided by law or contract. Pre-employment drug and/or alcohol tests will not be compensated.

VIII. Cutoff Levels for Drugs and Drug Metabolites; Blood Alcohol Exceedances

Cutoff levels for all drug and drug metabolite testing shall be consistent with the guidelines established by the U.S. Department of Health and Human Services (HHS). An employee shall be deemed to be under the influence of alcohol if the applicable blood alcohol test demonstrates a level of .02 or greater.

IX. Policy Violations

Any employee testing positive for drug usage, blood alcohol levels greater than .02, or engaging in any other prohibited conduct concerning drug or alcohol shall be subject to disciplinary action up to and including immediate termination. Regardless of disciplinary action taken, all such employees will be advised of resources available to evaluate and treat problems associated with drug and/or alcohol abuse.

Employees in safety-sensitive positions, including those that require a CDL, who are not terminated for violation of this policy shall be subject to the following conditions of continued employment:

1. If an employee has a breath alcohol concentration of at least .02 but less than .04, he or she shall not drive a commercial vehicle or engage in any other safety sensitive activities for at least 24 hours.
2. If an employee tests positive for drugs, tests positive for a blood alcohol level of .04 or greater, and/or engages in any other conduct prohibited by this policy relating to drugs and/or alcohol, the employee will be immediately removed from duties requiring the driving of a commercial vehicle and will not be permitted to return to work unless the employee: (i) has been evaluated by a substance abuse professional; (ii) has complied with any rehabilitation prescribed by a substance abuse professional; and (iii) has successfully completed a return to duty test for drugs and/or alcohol.
3. Upon completion of a recommended rehabilitation program and successful return to work, the employee will be subject to follow-up random testing for up to 60 months as recommended by the substance abuse professional and the Village with a minimum of six such unscheduled tests within the first 12 months of returning to duty.

Drug and Alcohol Testing of Specific Employees

In accordance with the Omnibus Transportation Employee Testing Act of 1994 and other applicable law, the Village requires employees in safety-sensitive positions and applicants for safety sensitive positions to submit to mandatory drug and alcohol testing pursuant to this policy. Applicants for non-safety-sensitive positions may be required to submit to pre-employment testing. All employees are subject to random drug and alcohol testing.

Safety-sensitive positions are those positions where there exists a high risk of injury to others with disastrous consequences if the employee has even a momentary lapse of attention. Some examples of safety-sensitive positions include law enforcement personnel, firefighters, paramedics, health care professionals responsible for direct patient care, employees who transport passengers, and employees who operate large or heavy equipment.

Under this policy, employees in safety-sensitive positions specifically include all employees whose positions may involve driving a commercial vehicle and that require the possession of a CDL. For purposes of this policy, a commercial vehicle means a vehicle that either: (i) has a gross weight of over 26,000 pounds (including combined weight if towed unit weighs over 10,000 pounds); (ii) is designed to transport 16 or more persons, including the driver; or (iii) is used to transport hazardous materials.

An employee is considered to be “driving a commercial vehicle” under this policy if he or she is performing any safety sensitive function defined in 49 CFR 382.107, which includes all time working in a position requiring a CDL.

With respect to employees who work in a position requiring a CDL, alcohol testing for reasonable suspicion may be conducted just before, during, or after an employee operates a commercial vehicle.

I. Drug and Alcohol Testing for Safety-Sensitive Positions

Employees in safety-sensitive positions are subject to drug and alcohol testing under different and additional circumstances than employees who are not in safety sensitive positions.

1. Reasonable Suspicion – Any employee in a safety-sensitive position shall submit to a drug and/or alcohol test when any supervisor has reasonable suspicion to believe that an employee has been using illegal drugs, abusing prescribed drugs, is under the influence of alcohol or cannabis, or is consuming alcohol or cannabis while working or while on call.

Testing for cannabis based on reasonable suspicion shall be supported by the good faith belief that there is some impairment of the employee while at the workplace, while engaged in work for the employer or while on call subject to the definition of those terms in the Cannabis Regulation and Tax Act, 410 ILCS 705/10-50.

If an employee is removed from duty based on reasonable suspicion of alcohol use and an alcohol test is not administered within eight hours, the employee will not be allowed to perform or continue to perform safety-sensitive functions until: (i) an alcohol test determines that the employee's breath alcohol concentration measures less than .02; and (ii) 24 hours have elapsed following the determination that there is reasonable suspicion to believe that the employee has been using alcohol.

2. Post-Accident Testing Involving a Commercial Vehicle – An employee is required by law and this policy to submit to an alcohol test whenever he or she is involved in an accident while driving a commercial vehicle on a public road which results in: (i) a fatality; (ii) bodily injury to a person who, as a result of the injury, immediately receives medical treatment away from the scene of the accident; and/or (iii) one or more motor vehicles incurring disabling damage requiring the vehicle to be transported away from the scene by a tow truck or other vehicle.

Post-accident testing for cannabis shall be supported by the good faith belief that there is some impairment of the employee while at the workplace, while engaged in work for the employer or while on call subject to the definition of those terms in the Cannabis Regulation and Tax Act, 410 ILCS 705/10-50.

3. Return to Duty Testing – Any employee who has violated this policy and/or has tested positive on a drug or alcohol test and is subsequently permitted to return to work, must pass a drug and/or alcohol test in accordance with this policy prior to returning to duty.
4. Follow-Up Testing – An employee in a safety-sensitive position who is referred for assistance related to alcohol and/or drug abuse is subject to unannounced follow-up testing for a period not to exceed 60 months as directed by a substance abuse professional and the Village. The number and frequency of follow-up tests will be determined by the substance abuse professional and the Village but will not be less than six tests in the first 12 months following the employee's return to duty.

For purposes of this policy, a substance abuse professional is a licensed physician, or a licensed or certified psychologist, social worker, employee assistance professional, or addiction counselor (certified by the National Association of Alcoholism and Drug Abuse Counselors Certification Commission) with knowledge of and clinical experience in the diagnosis and treatment of alcohol and drug-related disorders.

II. Pre-Employment Drug Testing

Employees in safety-sensitive positions must pass a drug test as a post-offer condition of employment. Employees in non-safety sensitive positions may be required to take and pass a drug test as a post-offer condition of employment. Failure to successfully pass a post-offer pre-employment drug test may result in the offer of employment being revoked. An applicant who is denied employment because of a positive drug test may not reapply for employment with the Village for a period of six months.

III. Random Drug and/or Alcohol Testing

Employees may be randomly selected to submit to drug and/or alcohol testing. The process will be unannounced, and employees shall be selected in a non-discriminatory manner. After an employee is notified that he or she has been selected for random testing, the employee shall be required to report immediately to the testing location no later than one hour after notification. Upon arrival at the testing location, the employee must identify him or herself by use of a photo identification card and present any applicable documentation. Upon completion of the drug and/or alcohol testing, the employee will, if his or her shift is not completed, immediately return to duty status.

Drug and Alcohol Testing of Public Safety Employees

For purposes of this policy, public safety employees include law enforcement officers, corrections officers, probation officers, paramedics, and firefighters.

I. Prohibition

The Village prohibits law enforcement officers from the consumption, possession, sale, purchase, or delivery of cannabis or cannabis-infused substances while on or off duty.

II. Collective Bargaining Agreements

Any drug and alcohol testing procedures in the collective bargaining agreement shall remain in full force and effect.

Discipline

Employee supervisors and their superiors, as applicable, are responsible for administering disciplinary measures, when in the sole discretion of the appropriate supervisor, based on the facts and circumstances of the situation, discipline is warranted. Prior to the administration of any disciplinary action, the applicable supervisor may give the employee the opportunity to respond to the allegations made against the employee. Employees subject to discipline for being under the influence of, in possession of or consuming cannabis shall be provided a reasonable opportunity to contest the basis for the imposition of discipline. The disciplinary procedures set forth in this section apply to all employees, unless otherwise subject to a collective bargaining agreement. These policies and procedures should not be construed as preventing, limiting, or delaying the Village from taking appropriate disciplinary action, including immediate dismissal without prior warning or notice, as the facts and circumstances warrant.

All discipline issued will be based on the applicable facts and circumstances, and at the level applicable in the sole and exclusive judgment of the applicable supervisor.

ACKNOWLEDGEMENT

By signing below, I acknowledge that I have received a copy of the Village of Beecher Drug and Alcohol Policy (“Policy”) and understand that it is my responsibility to read and become familiar with its contents. I further understand that it is my responsibility to ask questions of my immediate supervisor and/or another appropriate member of management if I do not understand any of the information contained in the Policy and that I am required to abide by and observe all of the information and rules, policies, and procedures explained therein.

I acknowledge that nothing in the Policy constitutes a contract or promise of employment and that unless otherwise provided in a collective bargaining agreement or individual employment contract, my employment is “at-will,” which means that the employment relationship may be terminated at any time for any lawful reason with or without cause or notice.

I agree to abide by and observe all of the information and rules, policies, and procedures set forth in the Policy and understand that the Village’s rules, policies, and procedures may be changed from time to time, with or without notice, and that this Policy supersedes and replaces any and all prior manuals or policies.

Print Name

Signature

Date Signed

January 20, 2020

Mr. Robert O. Barber
Village of Beecher
625 Dixie Highway
Beecher, Illinois 60401-1154

Subject: Village of Beecher – WWTP NPDES Permit Compliance Assistance

Dear Mr. Barber:

Baxter & Woodman, Inc. is pleased to submit this proposal to provide compliance assistance with the Village of Beecher's Wastewater Treatment Plant National Pollutant Discharge Elimination System (NPDES) permit. The current permit contains non-routine special conditions which must be fulfilled to meet the requirements of the permit. The following special conditions are as follows:

- Special Condition 15: Phosphorous Feasibility Study (Due by March 8, 2021)
- Special Condition 16: Phosphorous Discharge Optimization Plan (Due by March 8, 2021)
- Special Condition 16: Phosphorous Discharge Progress Reports (Due Annually by March 31)
- Special Condition 20: Disinfection Equipment Construction (Due by March 8, 2020)
- Special Condition 20: Disinfection Equipment Operation (Due by March 8, 2021)
- Special Condition 22: Pretreatment Activities Report and Industrial User Inventory (Survey), (Due by March 8, 2020)

The following is our scope of services and engineering fee:

SCOPE OF SERVICES

Special Condition 15: Phosphorous Feasibility Study

The purpose of this special condition is to prepare a study which determines the method, timeframe, and capital costs required for wastewater treatment plant improvements in order to reduce total phosphorus in the discharge to consistently meet a future potential effluent limit of 0.5 mg/L and 0.1 mg/L. The study will also evaluate the construction and O&M costs of the application of these limits on a monthly, seasonal and annual average basis.

Special Condition 16: Phosphorous Discharge Optimization Study

The purpose of this special condition is to prepare a study which determines two things:

- Influent Reduction Measures - identify potential sources of phosphorous in the WWTP collection system and determine if those sources can be reduced;
- Effluent Reduction Measures – identify what processes at the treatment plant can be optimized without capital expenditures to reduce the amount of total phosphorus in the WTP discharge.

The influent sources of phosphorus will be identified during the industrial user inventory survey being prepared for Special Condition 22.

An annual report on progress of optimizing the existing WWTP facilities is due annually by March 31st. The fee for this study will cover the study and the annual reporting for the duration of the current permit.

Special Condition 20: Disinfection Equipment Construction and Operation

This special condition requires the installation and operation of equipment at the WWTP to meet the disinfection effluent limits for fecal coliform in the existing permit. The updates to the treatment plant facilities have achieved substantial completion, and disinfection equipment has been installed. The two required reports can be combined into one for both the construction of and operation of the disinfection equipment and submitted to IEPA to satisfy this special condition of the NPDES permit.

Special Condition 22: Pretreatment Activities Report and Industrial User Inventory (Survey)

This special condition requires the Village of Beecher to provide a report briefly describing the Village's industrial pretreatment activities (if any), and identify all significant industrial users (SIU) (if any) within the WWTP's collection system. A one page questionnaire, or survey, accompanied by a cover letter and instructions will be sent out to a list of businesses and industries within the village who discharge sources of non-domestic waste to the WWTP. The survey will serve as a screening tool to help identify what businesses may be an SIU as defined in the 40 CFR 403 General Pretreatment regulations.

This survey also has questions regarding the use of and/or discharge of phosphorous in wastewater which is treated at the Village's WWTP. This way the survey will collect information required for both Special Condition 16 and Special Condition 22.

SCHEDULE

The above-described services will begin upon receipt of this proposal signed by the Village. We will begin the work on all the special conditions immediately and work through each one and submit by or before the due dates for each as listed in the NPDES permit.

ENGINEERING FEE

The engineering fee for the design work described above shall be computed on our standard hourly billing rates for actual work time performed plus reimbursement of out-of-pocket expenses (no mark-up), including travel costs, which in total will not exceed **\$66,975**.

<u>TASK</u>	<u>FEE</u>
SC 15: Phosphorous Feasibility Study and SC 16 Phosphorous Discharge Optimization Plan (PDOP)	\$35,900
SC 20: Disinfection Equipment Construction & Operation	\$ 450
SC 22: Pretreatment Activities Report & Industrial User Inventory	\$22,200
Assistance with IEPA Correspondence and Submittals	\$ 4,900
<u>Project Management</u>	<u>\$ 3,525</u>
TOTAL	\$66,975

Thank you for the opportunity to submit a proposal for this important Project. If this proposal is acceptable to the Village of Beecher, please attach to the Village of Beecher's standard contract for approval.

If you have any questions or need additional information, please do not hesitate to contact me or Nichole Schaeffer at 815-444-3372.

Sincerely,

BAXTER & WOODMAN, INC.
CONSULTING ENGINEERS



Sean E. O'Dell, P.E.
Vice President

C: Raymond Koenig, Baxter & Woodman, Inc.
Nichole Schaeffer, Baxter & Woodman, Inc.

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Beecher NPDES Compliance Fee (Permit No. IL0049522 Exp 9/30/2020)

Scenario 1	Due Date	Frequency
SC22 IU Survey and Pretreatment Report + SC16 PDOP Influent Reduction Measures Report	3/8/20	One Time
SC15 Phos Feasibility and SC16 PDOP Effluent Reduction Measures	3/8/21	One Time
SC16 PDOP Annual Reports (one report during this permit cycle, due 3/31/20)	3/31/20	Annually**
SC20 Report: Disinfection Equipment	9/8/20	One Time
Assist with IEPA correspondence and submittals		As needed
Project Management		
NPDES Assistance provided outside of Contract		
TOTAL NPDES compliance fee (Scenario 1)		

Scenario 2	Due Date	Frequency
SC 22 IU Survey and Pretreatment Report + SC16 PDOP Influent Reduction Measures Report	3/8/20	One Time
SC 15 Phos Feasibility Only*	3/8/21	One Time
SC 16 PDOP Annual Reports (one report during this permit cycle, due 3/31/20)	3/31/20	Annually**
SC 20 Report: Disinfection Equipment	9/8/20	One Time
Assist with IEPA correspondence and submittals		As needed
Project Management		
NPDES Assistance provided outside of Contract		
TOTAL NPDES compliance fee (w/o PDOP Effluent Reduction) (Scenario 2)*		

*Only if we can negotiate with IEPA to remove Effluent reduction measures or all SC16 PDOP

** Required annually, even into the next permit cycle, if SC16 Remains in the next permit. This Fee is for each submittal

SC16 PDOP Influent reduction measures portion: \$3,700

List of NPDES Permit Special Conditions

- SC15 Phosphorus Reduction Feasibility Study (determine capital costs of WWTP improvements to achieve 0.5 mg/L and 0.1 mg/L Total P)
- SC16 Phosphorus Discharger Optimization Plan (Influent & Effluent Reduction Measures) (determine WWTP Operational changes w/o capital expenditure)
- SC20 Disinfection Equipment Installation
- SC22 Industrial User Survey and Inventory

MEMORANDUM

TO: Village President and Board of Trustees

FROM: Robert O. Barber, Village Administrator

DATE: January 15, 2020

RE: 2019 WATER AND SEWER PUMPING AND USAGE REPORT

Attached is the annual report of gallons pumped, billed and treated for 2019. Some very interesting trends are developing which do impact our finances and how we do business.

For example, in 2005 we had 1,296 paying customers that were billed for 84,228 gallons per customer for that year. So, for every dollar per 1,000 gallons billed and amount was generated of \$109,159.49 for the Village's water and/or sewer departments.

2005: 1,296 customers x (84,228 gallons per customer divided by 1,000) x \$1 of rate =

\$109,159.49.

In the past year (2019), we had many more customers (1,723) but the amount billed per customer was down to 62,345 gallons per year. The same \$1 rate fourteen years later generates only \$107,240.44.

2019: 1,723 customers x (62,345 billed per customer divided by 1,000) a \$1 of rate =

\$107,420.44

Not only has the \$0.10 annual rate increase for water and sewer each not kept up with the pace of inflation, but lower usage has also reduced the effectiveness of this annual increase to keep up with the growing cost of expenses. In 2013, the combined rate increase provided \$24,216 in new dollars to offset rising costs. In 2019, the same rate increase generated only \$21,484 in new dollars.

When these figures are examined real closely, the following conclusions can be drawn.

1. Our residents are using less billed water. This could be due to more accurate meters, more efficient water fixtures, or overall conservation due to social awareness or just cutting expenses. We have not heard from complaints that this may be due to water quality but that is also a possibility. There was also more demand for irrigation water when the town was growing and new landscaping required more water.
2. Water pumped continues to increase despite water billed decreasing. This may be due to leaks and unaccounted for water.
3. Water treated at the sewer plant continues to increase despite less water being billed. This is due to an aging sewer system with more I/I getting into the plant.
4. Our climate is getting wetter. Each year we have more annual rainfall. This increases our water treated at the plant and decreases demand for irrigation water.
5. Water pumped should have remained flat at worst during this period of billing decline. The issue of billed to pumped water continues to be a priority of the public works department. With recent repairs to leak discoveries we hope to bring the pumped volume down very soon.

WATER PUMPED VS WATER BILLED 1982-2019

<u>YEAR</u>	<u>WATER PUMPED</u>	<u>WATER BILLED</u>	<u>DIFFERENCE IN GALLONS</u>	<u>RATIO</u>
1982	78,452,800	54,913,000	23,539,000	70%
1983	86,787,700	61,131,800	25,655,900	70%
1984	88,348,300	59,884,900	28,463,400	68%
1986	108,619,200	55,348,100	53,271,100	51%
1987	100,292,100	52,618,890	47,673,210	52%
1988	102,760,900	59,688,000	43,072,900	58%
1989	93,518,000	59,701,650	33,816,350	64%
1990	97,089,200	69,478,180	27,611,020	72%
1991	98,154,100	64,727,610	33,426,490	66%
1992	99,763,600	63,363,820	36,399,780	64%
1993	85,077,000	63,625,170	21,451,830	75%
1994	115,745,000	64,533,809	51,211,191	56%
1995	84,228,000	66,375,640	17,852,360	79%
1996	87,640,000	62,079,900	25,560,100	71%
1997	89,390,000	61,749,510	27,640,490	69%
1998	92,109,000	65,287,460	26,821,540	71%
1999	96,590,000	65,586,500	31,003,500	68%
2000	86,036,000	63,069,500	22,966,500	73%
2001	87,434,000	67,580,562	19,853,438	77%
2002	95,165,000	72,736,768	22,928,232	76%
2003	107,700,000	75,797,530	31,902,470	70%
2004	123,621,000	88,617,460	35,003,540	72%
2005	150,366,000	109,159,500	41,206,500	73%
2006	140,704,000	103,390,300	37,313,700	73%
2007	163,563,000	121,310,616	42,252,384	74%

<u>YEAR</u>	<u>WATER PUMPED</u>	<u>WATER BILLED</u>	<u>DIFFERENCE IN GALLONS</u>	<u>RATIO</u>
2008	142,056,000	116,926,388	25,129,612	82%
2009	141,660,000	114,557,291	27,102,709	80%
2010	146,616,000	114,771,300	31,844,700	78%
2011	153,452,000	113,124,086	40,327,914	73%
2012	170,013,000	121,444,136	48,568,864	71%
2013	187,076,000	121,082,637	65,993,363	64%
2014	197,987,000	114,855,354	83,131,646	58%
2015	176,712,000	109,037,710	67,674,290	61%
2016	151,373,000	111,215,000	40,158,000	74%
2017	160,918,000	111,312,163	49,605,837	69%
2018	172,034,000	109,873,000	62,161,000	64%
2019	172,699,000	107,420,300	65,278,700	62%
AVERAGE	122,479,727	84,253,393	38,226,334	69%
Last 10 yrs	168,888,000	113,413,569	55,474,431	67%

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**WATER USAGE PER SERVICE CONNECTION
1994-2019**

YEAR	# OF UNITS	CHANGE	% CHANGE	WATER BILLED	BILLED/UNIT	WATER PUMPED	PUMPED/UNIT
1994	739	N/A	N/A	64,539,809	87,353	115,745,000	156,624
1995	742	3	0.4	66,375,640	89,455	84,228,000	113,515
1996	762	20	2.7	62,079,900	81,470	87,640,000	115,013
1997	776	14	1.8	61,479,510	79,574	89,390,000	115,193
1998	784	8	1.0	65,287,460	83,275	92,109,000	117,486
1999	791	7	0.9	65,586,500	82,916	96,590,000	122,111
2000	799	8	1.0	63,059,500	78,923	83,036,000	107,680
2001	841	42	5.3	67,580,562	80,357	87,434,000	103,964
2002	920	79	9.4	72,736,768	79,062	95,165,000	103,440
2003	1,031	111	12.1	75,797,530	73,518	107,700,000	104,462
2004	1,162	131	12.7	88,617,460	76,263	123,621,000	106,386
2005	1,296	134	11.5	109,159,500	84,228	150,366,000	116,023
2006	1,456	160	10.9	103,370,300	71,010	140,074,000	96,205
2007	1,558	102	6.5	121,310,616	77,863	163,563,000	104,982
2008	1,583	25	1.6	116,926,388	73,863	142,056,000	89,738
2009	1,601	18	1.1	114,557,291	71,554	141,660,000	88,482
2010	1,601	0	0.0	114,771,300	71,687	146,616,000	91,578
2011	1,591	-10	-0.63	113,124,086	71,103	153,452,000	96,450
2012	1,614	23	1.45	121,444,136	75,244	170,013,000	105,336
2013*	1,642	28	1.70	121,082,637	73,741	187,076,000	113,932
2014*	1,641	-1	-0.06	114,855,354	69,991	197,987,000	120,650
2015*	1,661	20	1.20	109,037,710	65,646	176,712,000	106,389
2016*	1,673	12	0.7	111,215,000	66,476	151,373,000	90,480
2017*	1,686	13	0.7	111,312,163	66,021	160,918,000	95,444
2018*	1,709	23	1.3	109,873,000	64,291	172,034,000	100,664
2019*	1,723	14	0.81	107,420,300	62,345	172,699,000	100,232

In 2019, the average water customer consumed 275 gallons per day and was billed for 171 gallons per day.

*Sept/Oct Unit # (water)

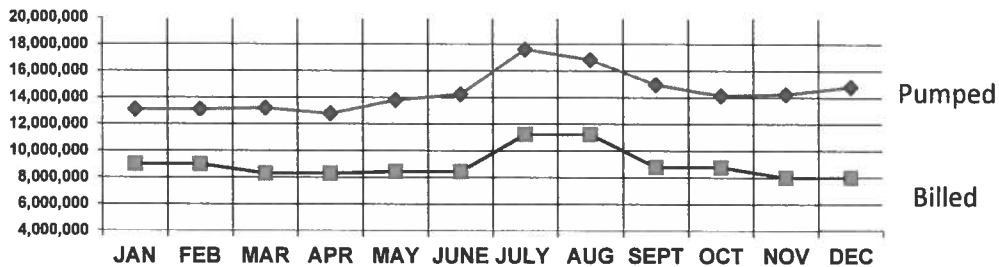
**2019
WATER PUMPED VS WATER BILLED**

<u>MONTH</u>	<u>WATER PUMPED</u>	<u>WATER BILLED</u>	<u>PUMPED OVER BILLED</u>
JAN	13,092,000	8,994,500	4,097,500
FEB	13,085,000	8,994,500	4,090,500
MAR	13,183,000	8,298,500	4,884,500
APR	12,775,000	8,298,500	4,476,500
MAY	13,792,000	8,424,000	5,368,000
JUNE	14,237,000	8,424,000	5,813,000
JULY	17,600,000	11,224,950	6,375,050
AUG	16,806,000	11,224,950	5,581,050
SEPT	14,955,000	8,777,700	6,177,300
OCT	14,132,000	8,777,700	5,354,300
NOV	14,239,000	7,990,500	6,248,500
DEC	14,803,000	7,990,500	6,812,500
TOTAL	172,699,000	107,420,300	65,278,700
MONTHLY AVERAGE/12	14,391,583	8,951,692	5,439,892
DAILY AVERAGE/365	473,148	294,302	178,846

An average of 178,846 gallons of water per day is being pumped by the Village's wells and is not being billed. This is due to leakage in the system, hydrant flushing, and use of water by the Village at the Village Hall, police station, sewer plant, wells, and the public works garage. Last year's average water loss per day was 165,208 gallons, and two years ago the loss per day was 135,906 gallons.

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**VILLAGE OF BEECHER
WATER PUMPED VS BILLED
2019**



2019
WATER BILLED VS WATER TREATED

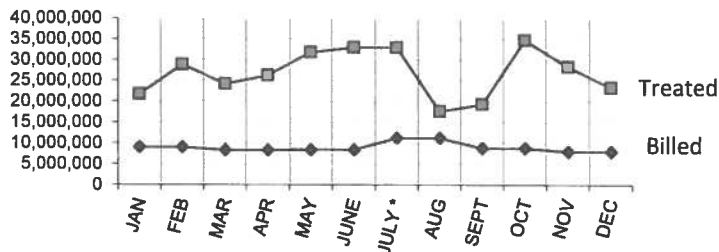
<u>MONTH</u>	<u>WATER BILLED</u>	<u>WATER TREATED</u>	<u>GAL. TREATED OVER BILLED</u>
JAN	8,994,500	21,710,000	12,715,500
FEB	8,994,500	28,840,000	19,845,500
MAR	8,298,500	24,170,000	15,871,500
APR	8,298,500	26,280,000	17,981,500
MAY	8,424,000	31,850,000	23,426,000
JUNE	8,424,000	33,000,000	24,576,000
JULY *	11,224,950	33,000,000	21,775,050
AUG	11,224,950	17,623,000	6,398,050
SEPT	8,777,700	19,337,000	10,559,300
OCT	8,777,700	34,653,000	25,875,300
NOV	7,990,500	28,370,000	20,379,500
DEC	7,990,500	23,327,000	15,336,500
TOTAL	107,420,300	322,160,000	214,739,700
MONTHLY AVERAGE	8,951,692	26,846,667	17,894,975
DAILY AVERAGE	294,302	882,630	588,328

*Estimate for July, meter broke.

The Village is treating an average of 588,328 gallons per day more than it is billing. This is due to I/I, cisterns, illegal connections, etc. This is 143,460 gallons more than last year's average of 444,868 gallons per day of excess flow.

BobsExcelFiles wat-pump2019

**VILLAGE OF BEECHER
WATER BILLED VS TREATED
2019**



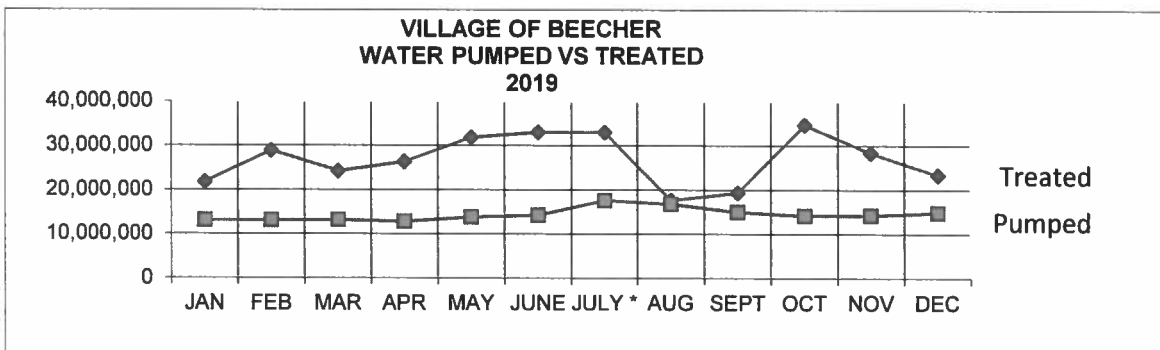
2019

WATER PUMPED VS WATER TREATED

<u>MONTH</u>	<u>GAL. TREATED</u>	<u>GALLONS PUMPED</u>	<u>DIFFERENCE</u>
JAN	21,710,000	13,092,000	8,618,000
FEB	28,840,000	13,085,000	15,755,000
MAR	24,170,000	13,183,000	10,987,000
APR	26,280,000	12,775,000	13,505,000
MAY	31,850,000	13,792,000	18,058,000
JUNE	33,000,000	14,237,000	18,763,000
JULY *	33,000,000	17,600,000	15,400,000
AUG	17,623,000	16,806,000	817,000
SEPT	19,337,000	14,955,000	4,382,000
OCT	34,653,000	14,132,000	20,521,000
NOV	28,370,000	14,239,000	14,131,000
DEC	23,327,000	14,803,000	8,524,000
TOTAL	322,160,000	172,699,000	149,461,000
MONTHLY AVERAGE	26,846,667	14,391,583	12,455,083
DAILY AVERAGE	882,630	473,148	409,482

BobsExcelFiles:wat-pump2019

*Estimate for July, meter broke.



**WATER PUMPED VS. WATER TREATED
2008 - 2019**

YEAR	WATER PUMPED	WATER TREATED	% DIFFERENCE
2008	142,056,000	221,300,000	64.19%
2009	141,660,000	214,328,000	66.09%
2010	146,616,000	230,925,000	63.50%
2011	153,452,000	280,215,000	54.76%
2012	170,013,000	190,784,000	89.11%
2013	187,076,000	249,446,000	75.00%
2014	197,987,000	282,676,000	70.04%
2015	176,712,000	304,359,000	58.06%
2016	151,373,000	292,700,000	51.72%
2017	160,918,000	267,435,000	60.17%
2018	172,034,000	274,110,000	62.76%
2019	172,699,000	322,160,000	53.61%

BobsExcelFiles:Effluent-waterpumped

BEECHER SESQUICENTENNIAL BOOK
1995-2020

BEECHER ENTERS THE 21ST CENTURY

Chapters -- (not necessarily in this order)

1. Beecher Local Governments

- Village of Beecher
 - 4th of July Commission (listed under Service Organizations)
 - Beautification Commission (listed under Service Organizations)
 - Beecher Youth Commission (listed under Service Organizations)
 - Historical Preservation Commission (listed under Service Organizations)
- Beecher Police Dept.
- Washington Township
- Beecher Community Unit School District 200-U (3 bldgs.)
- Beecher Fire Protection District
- Beecher Public Library District

2. Beecher Service Organizations (not necessarily in this order)

- Beecher 4th of July Commission
- Beecher Chamber of Commerce
- Beecher Youth Commission
- Beecher Beautification Commission
- Beecher Amvet Deeke-Ohlendorf Post 67
- Beecher Amvet Auxiliary
- Beecher Community Part-Time Players
- Beecher Historical Society

- Lion's Club
- Lioness Club
- Women's Club of Beecher
- Historical Preservation Commission

3. Beecher Parks: (not necessarily in this order)

- Firemen's Park
- Women's Club Park – Reed St.
- Lion's Park – Miller Street
- Depot Park-- Reed Street
- Gould St. Playground Park -- Gould Street
- Hunters Chase Park (Prairie Park) --1469 Somerset Drive
- Nantucket Cove Park, 300 Castine Way

4. Beecher Memorials: (not necessarily in this order)

- Amvet Boulder Memorial -- Reed St.
- Veterans Memorial -- Reed and Hodges St.
- Ribbon of Hope -- Miller St.
- 9-11 Memorial – 711 Penfield Street
- Civil War Memorial -- 673 Penfield Street
- War Plaque Memorial -- 673 Penfield Street
- Time Capsule Memorial -- 711 Penfield Street
- Dixie Highway Memorial -- 625 Dixie Highway
- Mausoleum – 301 West Horner Lane

5. Beecher Centennial Homes: (in order by age)

- Rudolph Pecht Home, 1889 – 850 Penfield Street
- Dr. D. D. Van Voorhis Home, 1894 -- 536 Woodward Street
- Fred Cloidt Home, 1900 – 505 Gould Street
- Dr. M. R. Miley Home, 1901 – 524 Indiana Avenue
- Arnold J. Knuth Home, 1903 –503 Oak Park Avenue
- Jacob Kurz Home, 1904 – 949 Penfield Street

- William Werner Home, 1905 – 508 Gould Street
- Albert Heller Home, 1905 –606 Indiana Avenue
- William Wiggerhauser Home, 1906 – 850 Hodges Street
- August Ehrhardt Home, 1908 --741 Dunbar Street
- C. B. Eskilson Home, 1911 -- 631 Miller Street
- St. Luke Parsonage, 1913 -- 618 Woodward Street

6. Beecher Centennial Businesses: (in order by age)

- Princess Café -- 1873
- Farmers Grain Co., Inc. (FS Grain) -- 1915
- Farmers State Bank (First Community Bank and Trust) -- 1916
- Hack-Jensen Funeral Home -- 1918
- Bahlmann Tire and Service Ccenter (former Bahlman Oil Co.) -- 1921

7. Beecher Churches (in order of age)

- St. John Lutheran Church
- St. Paul's Evangelical Lutheran Church
- St. John United Church of Christ
- St. Luke United Church of Christ
- Zion Lutheran Church
- Beecher Baptist Church
- Faith United Reformed Church
- Faith Church
- Mighty Fortress Evangelical Lutheran Church