



AGENDA

VILLAGE OF LITTLE CHUTE UTILITY COMMISSION MEETING

PLACE: Village Hall Board Room

DATE: Tuesday, August 28, 2018

TIME: 6:00 p.m.

- A. Call to Order
- B. Roll Call
- C. Public Appearance for Items Not on the Agenda

1. Approval of Minutes
Utility Commission Minutes of July 17, 2018
2. Review/Approve Partial Relay Homewood Court
3. Review/Approve Well # 4 Well/Pump Repair Proposal
4. Review/Approve UCMR 4 Testing Proposals.
5. Progress Reports
 - a. MCO Operations Update
 - b. Director of Public Works
 - c. Finance Director
6. Approval of Vouchers
7. Unfinished Business
8. Items for Future Agenda
9. Adjournment

Requests from persons with disabilities who need assistance to participate in this meeting should be made with as much advance notice as possible to the Clerk's Office at 108 West Main Street, (920) 423-3852
Prepared: August 22, 2018

MINUTES OF THE UTILITY COMMISSION MEETING JULY 17, 2018

Call to Order

The Utility Commission meeting was called to order at 6:00 P.M. by Tim Wegand, Chair

Roll Call

PRESENT: Tim Wegand, Chair

Tim Bevers

Mark Gloudemans

Jessica Schultz

EXCUSED: Kevin Coffey

Michael Vanden Berg

ALSO PRESENT: Village Administrator James Fenlon, Director of Public Works Kent Taylor, Jerry Verstegen, MCO

Public Appearance for Items Not on the Agenda

None

Approval of Minutes from the Utility Commission Meeting of June 19, 2018

Moved by M. Gloudemans, seconded by T. Bevers to Approve Minutes from the Utility Commission of June 19, 2018

All Ayes – Motion Carried

Discussion/Action—PSC Report

Director Taylor went over the Public Service Commission Report that was filed with the State of Wisconsin for the year ending December 31, 2017.

Discussion—TID Review

Administrator Fenlon went over information on Tax Increment Districts for #6, 7 and 8.

Progress Reports

MCO Operations Update

Jerry Verstegen, MCO advised that there was a major fail on well #4, called in Waterwell Solutions and found a shaft broke at 410 feet. He is checking the quality of the salt being received and talked to the supplier. Residential meter changes continue. Wilson Street relay, Main line and public services complete and they are working on the private services. A hydrant was replaced at 520 Randolph.

Director of Public Works

Director Taylor went over current projects going on with the sanitary storms in the Village. Director Taylor also advised his department is doing manhole inspections and working with WE Energies to inspect the pipe they believe was damaged by them.

Finance Director

Administrator Fenlon advised that a new Finance Director will begin on August 13th.

Approval of Vouchers

Moved by T. Bevers, seconded by J. Schultz to Approve and Authorize payment of the vouchers and draw from the respective funds

All Ayes – Motion Carried

Unfinished Business

Commissioner Schultz questioned the Ammonia Landfill fees. Administrator Fenlon advised they are letting the Heart of the Valley run that train and is keeping an eye on these costs.

Items for Future Agenda

None

Adjournment

Moved by M. Gloudemans, seconded by J. Schultz to Adjourn the Meeting at 7:07 p.m.

All Ayes – Motion Carried

VILLAGE OF LITTLE CHUTE

By: Kevin Coffey, Chair

Attest: Laurie Decker, Village Clerk

Village of Little Chute
Department of Public Works

REQUEST FOR UTILITY COMMISSION'S CONSIDERATION

| |
|---|
| ITEM DESCRIPTION: Partial Relay Homewood Court |
| REPORT PREPARED BY: Jerry Verstegen |
| REPORT DATE: August 22, 2018 |
| PUBLIC WORKS DIRECTOR'S/ADMINISTRATOR'S REVIEW / COMMENTS: No additional comments to this report _____ See additional comments attached _____ |
| EXPLANATION: In front of the home located at 120 Homewood Court has seen (6) water breaks in the last several years. The home is located on the east bend on Homewood Court, the water main cuts the corner under the sidewalk. When water breaks have occurred, there has been the same recurring damaged to the terrace, sidewalk and front yard at 120 Homewood Court. The Department has also witnessed the pitting of the water main at this location. The Department is looking to spot relay this section of pipe into the road and replace with 85 feet of PVC pipe. Please see aerial photo of location, the Department would relocate the water main in the road along the curb line. The Department would hire Don Hietpas and Sons to perform the relay, and the Village DPW Department would perform the restoration. Homewood Court is scheduled for full relay in 2019. |
| RECOMMENDATION: Discuss/ Approve Department to spot relay Homewood Court, not to exceed \$15,000. Please see Department estimate worksheet. |

Village of Little Chute Water Department, Wisconsin



UR-T

Project Location

Partial Homewood Ct 120

Project Year

2018

| Item Description | Est Qty | Units | Unit Cost | Unit Total |
|--|---------|-------|--------------|---------------------|
| Temporary Water | 0 | EA. | \$ 4,500.00 | \$ - |
| Hydrant | | EA. | \$ 3,900.00 | \$ - |
| 6" PVC Water Main | 0 | L.F. | \$ 75.00 | \$ - |
| 8" PVC Water Main | 85 | L.F. | \$ 95.00 | \$ 8,075.00 |
| 12" PVC Water Main | | L.F. | \$ 100.00 | \$ - |
| 6" Valve | | EA. | \$ 1,150.00 | \$ - |
| 8" Valve | | EA. | \$ 1,558.00 | \$ - |
| 12" Valve | | EA. | \$ 2,000.00 | \$ - |
| 1" Water Service Set (From Sleeve to Curb box) | 2 | EA. | \$ 750.00 | \$ 1,500.00 |
| 1.5" Water Service Set (From Sleeve to Curb box) | | EA. | \$ 1,050.00 | \$ - |
| 2" Water Service Set (From Sleeve to Curb box) | | EA. | \$ 1,250.00 | \$ - |
| 1" Poly Water Service | 0 | L.F. | \$ 45.00 | \$ - |
| 1.5" Poly Water Service | 0 | L.F. | \$ 50.00 | \$ - |
| 2" Poly Water Service | 0 | L.F. | \$ 70.00 | \$ - |
| Reconnect Water Service | | EA. | \$ 520.00 | \$ - |
| Abandon Water Service | | EA. | \$ 2,800.00 | \$ - |
| Concrete Patch | 38 | SY | \$ 58.00 | |
| Asphalt Patch | 38 | SY | \$ 50.00 | \$ 1,888.89 |
| Salvage Hydrant | | EA. | \$ 500.00 | \$ - |
| 4-6 45 degree bends | 6 | | \$ 350.00 | \$ 2,100.00 |
| Engineering | | EA. | 10% | \$ 1,356.39 |
| | | | TOTAL | \$ 14,920.28 |

| Item Description | Est Qty | Units |
|---|---------|-------|
| Number of Water Main Breaks | EA. | 6 |
| Number of Water Main Breaks per 1000 Feet | EA. | 70.59 |
| Private Lead Services | EA. | |
| Public Lead Services | EA. | |

Village of Little Chute
Department of Public Works

REQUEST FOR UTILITY COMMISSION'S CONSIDERATION

ITEM DESCRIPTION: Well # 4 Well/Pump Repair Proposal

REPORT PREPARED BY: Jerry Verstegen

REPORT DATE: August 22, 2018

PUBLIC WORKS DIRECTOR'S/ADMINISTRATOR'S REVIEW / COMMENTS:

No additional comments to this report _____

See additional comments attached _____

EXPLANATION: As the Commission is aware, Well # 4 failed on July 10th, 2018. Please see Water Well's proposal and description of failure that accrued. I have included a breakdown of cost on the first page and highlighted all items that resulted from the shaft failure. Well # 4 was budgeted for \$75,000 in 2019 to be pulled and inspected, total cost for current repairs in \$106,117.00. \$36,692 is due to the failure, the Department is going to submit these costs to the Village's insurance. Because of time restraints, the Department informed and asked permission to proceed with proposal from Commission President Kevin Coffee. The Village Administrator signed the proposal on August 3, 2018, Water Well has ordered all repair parts, we are still waiting on an installation timeline. I have also included the Departments log of events for the breakdown, this is still a working document, so please discard formatting and editing errors.

RECOMMENDATION: Review/discuss Water Well's proposal and formally approve.



Water Well Solutions

August 16, 2018

Little Chute Water Utility
108 W. Main Street
Little Chute, WI 54140
Attn: Jerry Verstegen

| | | |
|------------------------------|---|----------|
| 2019 CIP Budget | = | \$75,000 |
| Typical/Budgeted Repairs | = | \$69,425 |
| Repairs due to shaft failure | = | \$36,692 |

Re: Well #4 Pump inspection

Dear Jerry,

We have completed our inspection of the pump assembly that we removed from Well 4. As you know, the 5 foot section of line shaft directly above the bowl assembly broke and separated horizontally near the end of the threaded portion of the shaft where it coupled to the first 10ft line shaft as seen in the following two pictures.





Water Well Solutions



When the line shaft directly above the pump broke, it allowed the shafts above that point to spin free without pumping cooling water past the rubber bearings / shaft sleeves which caused overheating of rubber bearings which in turn melted some of the bearings and heated the shaft sleeves. Once the rubber bearings were melted and thrown from the spiders, the shafts began to "whip" until they ran out far enough that they damaged and even destroyed some of the centering spiders.

At the pump bowl assembly, we see evidence of what looks like extensive abrasive wear on the contact points between the bowl impeller shaft and the bronze bowl bearings. In the following picture you can see the excessive gap created by the wear.





Water Well Solutions

One of the intermediate pump bowls also had a hole blown through the cast iron. The picture follows:



We also show damage to the discharge case of the bowl assembly in the following picture.





The column pipe is spotted with deep pits and we recommend replacing all pipe. Due to the extreme running conditions placed on the shafts, we recommend replacing all shafts & shaft couplings with new 416SS shafts & couplings.

The rubber bearings must all be replaced as most were destroyed during the failure and the stainless steel shaft sleeves were also subjected to severe wear and damage.

Following is a breakdown of recommended repairs along with associated costs for Well # 4.

Column Assy:

| | |
|--|-------------|
| • (42) 8" .322" x 10ft T&C W/L column pipe (\$480.00/ea) | \$20,160.00 |
| • (1) 8" .322" 40 x 5ft T&C W/L column pipe | \$335.00 |
| • (1) 8" .322" 40 x 5ft TBE W/L column pipe | \$320.00 |
| • (42) 1-11/16" x 10' stainless steel shafts, T&C (\$418.00/ea) | \$17,556.00 |
| • (43) 1-11/16" x 1 15/16" stainless steel shaft sleeves. (\$45.00/ea) | \$1,935.00 |
| • (1) 1-11/16" 416 SS motor drive shaft, TBE. | \$490.00 |
| • (1) 1-11/16" stainless steel top shaft, T&C | \$325.00 |
| • (43) 8" x 3/4" 304SS drop in spiders (\$90.00/ea) | \$3,870.00 |
| • (43) 8" dia. x 10" x 1/8" zinc sleeves (installed) (\$215/ea) | \$9,460.00 |
| • (43) 1-15/16" pop in rubber bearings. (\$12.00/ea) | \$516.00 |
| • 200 HP VHS Electric Motor repair | \$2,850.00 |

Bowl Assembly:

| | |
|---------------------------------------|-------------|
| • New - 6 stage Goulds bowl assembly. | \$13,500.00 |
|---------------------------------------|-------------|

Discharge Head:

| | |
|--|----------|
| • clean and paint discharge head. | \$100.00 |
| • Rebuild / repack 1-11/16" stuffing box complete. | \$200.00 |

Labor:

| | |
|--|-------------|
| • Est. Field Labor – Pump Removal | \$9,000.00 |
| • Installation & Removal of temporary submersible Well pump (set 320ft on 6" column) including Temp. wiring and re-programming VFD | \$12,000.00 |
| • Est. Shop Labor | \$900.00 |
| • Est. Field Labor – Pump Installation | \$10,500.00 |

Misc.

| | |
|--|------------|
| • Well Televising | \$1,000.00 |
| • (2) 430' airlines. | \$750.00 |
| • Misc. water samples, tape, chlorine, splices, etc. | \$350.00 |

Well #4 Estimated Emergency Pump Repair Total: \$106,117



Please be advised that due to the instability in the current steel market, the above prices can only be guaranteed for 3 days from the date of this letter.

We hope you find this correspondence complete in meeting your needs. Should further questions or comments arise, please feel free to contact our office at your convenience. We look forward to hearing from you soon.

Most sincerely,

Peter Bennin

Peter Bennin
Project Manager
Advanced Solutions

Office : +1 (920) 474-4777 ext. 216
Mobile : +1 (262) 269-8755



Water Well Solutions Service Group, Inc.
N87W36051 Mapleton Street
Oconomowoc, WI 53066
www.utilityservice.com

- 10:15pm: JV returns to check on shells at Pmp # 2, all shells have completed their regen cycle, JV starts Well # 3 to fill reservoir.
- 11:30pm: JV Leaves for day

Thursday July 12, 2018

- 5:00am: JV puts Pmp # 2 on the lead, system is back on normal conditions with two plants running.
- 7:00am: WW returns to site, they only have the pump column and strainer to remove.
- 8:03am: JV emails Pete B looking for update on temp. pump install and cost.
- 10:00am: CK disinfects a 2" poly lines that will be used to back fill Well # 4 reservoir.
- 1:00pm: Lee's Welding installs 6" port and flange.
- 2:30pm: JV and CK install 6" gate valve on 6" port,
- 3:15pm: LV and CK run 2" poly line from meter bench port to new 6" port and start back filling Well # 4 reservoir. Reservoir is filling at a rate of 220gpm.

Friday July 13, 2018

- 8:00am: WW arrives to televise well, WW informs JV that they will start installing temporary pump on Monday.
- 4:00pm: Well # 4 reservoir check, estimated 475,000 gallons.

Monday July 16, 2018

- 10:00am: WW arrives to start installing temporary pump.
- 4:00pm: WW leaves for the day

Tuesday July 17, 2018

- 7:00am: WW continues pump installation.
- 2:00pm: WW finished temporary pump installation, Pete B. from WW arrives to reprogram VFD for temporary pump and motor, we find that we will be unable to run pump in a "auto" set, so the pump will need to be run manually.
- 2:00pm: JV and CK set up chemical pumps for correct dosage with temporary pump.
- 4:30pm: Pump is run to waste to check vfd operations, well is then chlorinated.

Wednesday July 18th, 2018

- 4:00pm: JV starts and pumps Well to waste for two hours, first bacti sample is taken at 6:00pm and delivered to Clean Water Testing.

Tuesday July 10, 2018

- 1:35am: SCADA Alarm Well # 4 Control to Run Fail
- 1:55am: Phil M (On-Call Operator), arrived at Well # 4
 - Phil found a VFD fault "Overcurrent" on the Well.
 - Phil Cleared VFD fault and reset SCADA faults, tried to start the Well and noticed a vibration at start-up, he immediately shut down the VFD.
 - 2:25am: Phil called Jerry V and informed him of the situation.
 - 2:40am Jerry V, arrived at Well # 4
 - JV inspected the Well shaft and was able to turn it by hand.
 - JV started the motor and brought it up to 40hz, no air was coming up from the Well which indicated that the well shaft was most likely broken.
 - JV locked out Well VFD and took Well # 4 out of service
- Pmp # 2 situation: Pmp # 2 salt tanks have been unable to create a strong enough brine solution for the past week. Staff decided to bring the salt levels down for cleaning, the cleaning of the tank was scheduled for Thursday July 12th. The issue we have, is the softeners need to regenerate at this time, or we will be pumping out hard water.
- Over All Situation
 - Well # 1 is pumping and is set at 1,100gpm or 1.58 million gallons per days
 - System is averaging between 1.5 and 1.7 million gallons per day.
 - Unable to use Well # 3 until we have the salt tank cleaned out.
 - Pmp # 2 has 177,500 gallons in the reservoir that we can pump, before we need Well # 3 online.
 - Well # 4 is out of service, we have 300,000 gallons of water in the reservoir that we can pump, before we need Well # 4 online.
- 3:00am: Phil M was sent home, JV switch SCADA matrix to have Well # 1 on the lead with Pmp # 2 in the second spot and Well # 4 in the third spot.
- 3:10am: JV went down to Well # 1 and set pumping rates to manual, and increased pumping rates.
- 3:45am: JV called Pete B at Water Well Solutions, explained the situation, Pete would give me a call back around 7:00am to let me know when he could get a well crew up to use.
- 4:30am: JV went home.
- 6:30am: JV, Chris K (CK) and Chris H (CH) discussed situation.
- 7:00am: CK calls Speedy Clean to see if they can clean the tanks today.
- 7:25am: Water Well Solutions call, and they will be arriving around noon.
- 7:45am: Speedy Clean calls and will be arriving around 9:00am
- 7:46am: JV send email to Kent T, and informs him of situation.
- 7:55am: JV calls Marty J, to discuss where Marty would like the salt waste to be dumped.
- 8:35am: Speedy Clean arrives and starts to clean tank.
- 10:00am: The cleaning of the tanks is going very slow, the salt is rock hard, CK rents a jack hammer from Ace Hardware, and gets an air compressor and jack Hammer from Kimberly.
- 10:15am: JV calls Bruce Jardon at Compass Minerals and discusses the bad salt situation, Bruce ask for Pictures

- 10:30am: JV and CK get a sample of the salt, and JV takes pictures and sends them to Compass Minerals
- 12:10pm: Water Well Solutions (WW) arrives and starts to set up
- 1:30pm: JV updates Kent
- 2:00pm: Speedy Clean is making progress on salt tanks, the plan is to work until it is done.
 - Staff plans to truck brine over to Pmp # 2 from Well # 4, JV talks to Hietpas and they will let us use their water truck. If we can truck 2,100 gallons over to Pmp # 2, we will be able to regenerate the shells and put Well # 3 back on line.
- 3:00pm: WW has motor pulled, they can rotate the pump shaft, this should indicate that the break is toward the top, if it is, we will fix and get Well # 4 back on line, if it is towards the bottom, we may elect to pull everything.
- 3:44pm: Speedy Clean looks to be able to finish in the next couple hours.
- 5:15pm: Speedy Clean has the tank cleaned, CK is assisting Speedy Clean and cleaning site up.
- 5:45pm: CK gets mini loader from DPW with a bucket of clear stone, CK and JV dump stone in salt tank to bed pipe and the stone acts as a filter for the salt.
- 6:00pm: WW shuts down for the day, they removed 100' of pump column, all shaft bearings are torn apart. Most likely due to the shaft spinning without water after the shaft broke.
- 6:30: CK goes home
- 6:30pm to 9:00pm: JV truck (3) loads of brine from Well # 4 to Pmp # 2. Hietpas and Sons borrows us their water truck. Dump proximity 2,800 gallons of brine into tank.
 - After second load of brine, JV prime brine pump and puts Shell # 3 into a regeneration.
 - Shell finishes regen around 9:35pm
 - Shell # 2 is put into regeneration.
 - Well # 3 is started with Shell # 1 and Shell # 3 operational, only 3.1 feet left in reservoir.
- 8:00pm: JV starts Booster # 6 at Well # 4 to meet system demand
- 9:45pm: JV goes home
- 11:00pm: JV shuts down Booster # 6, Reservoir # 4 has only a estimated 180,000 gallons left.
- 11:30pm: JV leaves

Wednesday July 11, 2018

- 6:30am: WW returns to site to continue removal of pump.
- 6:30am: Well # 3 and Pmp # 2 are put on the lead, salt should arrive around noon.
- 7:30am: JV send email to Pete B of Water Well Solutions asking for current cost of project, cost associated with a 10-inspection. Also provide pump stats for sizing on temporary pump.
- 8:15am: JV updates Kent T
- 9:00am: JV contacts Lee's Welding to have a 6" port and flange installed downstream of Well meter, this will allow for waste pumping from the Well and to backfill reservoir.
- 3:20pm: Salt delivered to Pmp # 2, JV puts Well # 1 on the lead.
- 5:00pm: WW crew finds break at 410'
- 5:30pm: JV starts to regenerate shells at Pmp # 2
- 6:30pm: WW crew leaves for day
- 6:30pm: JV and CK leaves for the day

Village of Little Chute
Department of Public Works

REQUEST FOR UTILITY COMMISSION'S CONSIDERATION

| |
|---|
| ITEM DESCRIPTION: UCMR 4 Testing Proposals |
| REPORT PREPARED BY: Jerry Verstegen |
| REPORT DATE: August 22, 2018 |
| PUBLIC WORKS DIRECTOR'S/ADMINISTRATOR'S REVIEW / COMMENTS: No additional comments to this report _____ See additional comments attached _____ |
| EXPLANATION: The EPA requires all Utilities with populations over 10,000 to participate in the UCMR testing. This is the 4 th round of testing for Little Chute. The Department sent out request for proposals to 4 four test facilities, we receive two proposals back from Pace Analytical and Great Lakes Testing. The Water Department has used both vendors in the past and has had zero issues. Pace Analytical proposal for the testing was: \$4,436.00, and Great Lakes proposal was: \$6,651.00. The Department budgeted for 2018, \$5,000 for UCMR testing. |
| RECOMMENDATION: The Water Department recommends approval of Pace Analytical proposal for \$4,436.00 |

Pace Analytical Services, Inc.

8 East Tower Circle
Ormond Beach, FL 32174
386.672.5668
fax 386.673.4001



For more info see: UCMR 4

Pace Quote No.: Little Chute GW UCMR 4 Quote 081518
Organization: Little Chute Water Works

Date: 8/15/18
Shipping: *UCMR 4 container sets and shipping to client by FedEx Ground included. Also included is sample shipment back to Pace by FedEx Standard Overnight.*

Street: 625 E. Evergreen Drive
City, State & Zip: Little Chute, WI 54140
Contact: Jerry Verstegen
Email: lcwater@littlechutewi.org
Phone: 920-788-7522
Project Name: **UCMR 4 for GW PWSS**

EDD: Data uploaded into EPA CDX SDWARS by Pace

PWS ID: WI4450338
Sampling Dates: **Nov 2018, May 2019**
Reqd. Certification: EPA
Turnaround: EPA mandated requirement is 120 calendar days
Time (TAT): from sampling date. Pace TAT is typically <25 business days.

Primary Lab: Ormond Beach
Pace Contact: Paul Jackson
813.731.1595
Paul.Jackson@pacelabs.com

UCMR 4 Sampling Information:

PWSs that purchase 100% of their water are not required to collect source water samples for TOC or bromide analyses. Sampling for TOC and bromide must otherwise occur at source water influent locations representing untreated water entering the water treatment plant (i.e., a location prior to any treatment).

SW/GWUDI systems subject to the D/DBPR TOC monitoring must use their D/DBPR TOC source water sampling site(s) from 40 CFR 141.132 for TOC and bromide samples.

SW/GWUDI systems that are not subject to D/DBPR TOC monitoring will use their Long Term 2 Enhanced Surface Water Treatment Rule (LT2) source water sampling site(s) (40 CFR 141.703) for TOC and bromide samples.

Groundwater systems that are subject to the D/DBPRs will take TOC and bromide samples at their influents entering their treatment train.

TOC and bromide must be collected at the same time as HAA samples. These indicator samples must be collected at a single source water influent using methods already approved for compliance monitoring.

Pace Analytical Services, Inc.

8 East Tower Circle
 Ormond Beach, FL 32174
 386.672.5668
 fax 386.673.4001



| Total Qty. | Matrix | Test Description | Method | Unit Price | Total |
|---|----------------|--|----------|------------|------------------|
| Laboratory Testing: | | | | | |
| Number of Source Water Intake Locations (SR) to be sampled for AM2 (2/12 month period every 6 months, January-December): | | | | | 3 |
| | | Number of sampling events: | | | 2 |
| 6 | Drinking Water | Total Organic Carbon (TOC) | SM 5310B | \$34.00 | \$204.00 |
| 6 | Drinking Water | Bromide | 300.1 | \$30.00 | \$180.00 |
| Number of Entry Points to The Distribution System (EPTDS) to be sampled for AM1 (2/12 month period every 6 months, January-December): | | | | | 3 |
| | | Number of sampling events: | | | 2 |
| 6 | Drinking Water | Metals: Germanium & Manganese | 200.8 | \$49.00 | \$294.00 |
| 6 | Drinking Water | Pesticides and Pesticide Byproducts | 525.3 | \$189.00 | \$1134.00 |
| 6 | Drinking Water | Alcohols | 541 | \$129.00 | \$774.00 |
| 6 | Drinking Water | Semivolatile Organics | 530 | \$169.00 | \$1014.00 |
| Number of Stage 2 Disinfectants and Disinfection Byproducts Rule Sampling Locations (D/DBPR) to be sampled for AM2 (2/12 month period every 6 months, January-December): | | | | | 2 |
| | | Number of sampling events: | | | 2 |
| 4 | Drinking Water | Haloacetic Acids - HAA5, HAA6 & HAA9 compounds | 552.3 | \$209.00 | \$836.00 |
| Container set provided on a rush basis, as required: | | | | | |
| 0 | | Rush Container Set Handling, cost of FedEx Overnight Shipping will be added to cost | | \$75.00 | \$0.00 |
| Total, analysis of all samples for the monitoring period (does not include any EPA required resampling caused by shipping issues or client-taken samples received out-of-temperature): | | | | | \$4436.00 |

Pace Analytical Services, Inc.

8 East Tower Circle
Ormond Beach, FL 32174
386.672.5668
fax 386.673.4001



Notes:

Pace is certified for drinking water analysis in the following states, and is U.S. EPA approved for all UCMR 4 test methods in all states:

**AL, AZ, CO, CT, FL, GA, HI, IL, IN, KS, KY, LA, ME, MA, MI, MS, MO,
MT, NV, NH, NJ, NY, NC, PA, TN, TX, VA, WA, WV, WI, WY,
Puerto Rico, U.S. Virgin Islands, and Guam.**

If you have specific questions about any conditions noted below please contact your Pace Analytical Representative.

- Proposal expires 60 days from created date above, unless accepted, signed and returned.
- Quoted prices include standard Pace Analytical QA/QC, reporting limits, compound lists and standard report format unless noted otherwise.
- If project specific MS/MSD samples are submitted, they may be billable.
- TAT (Turn-around Time) is in working/business days unless otherwise specified above.
- To ensure requested TAT is available, please coordinate with your Pace Analytical Project Manager at time of sample submittal.
- Any deviation from the above quoted scope of work, including sample arrival date and volume, may result in adjustment of prices.
- Please include Quote Number on Chain-of-Custody to ensure proper billing.
- Pricing includes FedEx Ground delivery of bottle/sample kits and coolers.
- Charges will apply for non-standard shipping and for projects where shipping exceeds 10% of the total analytical costs of the shipment.
- Sample containers can't be reused by the lab once they have been distributed to a client. Pace reserves the right to charge for returned unused containers.
- Disposal fees apply to all samples placed on hold and not analyzed.
- Samples are retained by Pace for 30 days after sample receipt.

***We appreciate the opportunity to be of service to you.
Please call Paul Jackson at 813-731-1595 for questions concerning this quote.***

Pace Analytical Services, Inc.

8 East Tower Circle
Ormond Beach, FL 32174
386.672.5668
fax 386.673.4001



Pace Analytical Services, Inc. - TERMS & CONDITIONS

1. Controlling Provisions - These Standard Terms and Conditions ("Terms") govern the agreed-upon services (the "Project") that Pace Analytical _____ ("Pace") will perform on behalf of _____ ("Client") (collectively, the Parties) and supersede any other written provisions (including purchase/work orders) related to the Project, as well as prior discussions, courses of dealing, or performance.
2. Warranty - Pace hereby warrants that it will: 1) conduct all tests and observations using the protocols and laboratory procedures as specified in accepted task orders, scopes of work, proposals, or written instructions ("Contract Paperwork"); and 2) uphold the reasonable scientific and engineering standards in effect in the industry at the time the service/s is/are performed. If Client subsequently, including pursuant to an executed amendment, direct different procedures and/or protocols, which may or may not involve the use of any third-party laboratory or contractor, Pace cannot warrant the results and Client shall hold Pace harmless from all claims, damages, and expenses arising from Client's direction.
3. Data - Pace will provide Client with data as specified in the Contract Paperwork. Following final report issuance, Pace will retain back-up data for up to three (3) years and final reports for up to five (5) years. Pending Client's payment in full for Pace's contracted services, Pace may retain any Client data not already released.
4. Intellectual Property/Ownership - Pace shall retain sole ownership of any new method, procedure, or equipment it develops or discovers while performing services pursuant to the Contract Paperwork.
5. Non-competition - Client shall not solicit or recruit Pace personnel for at least 12months following the termination of the Project governed by these Terms.
6. Sample Delivery, Acceptance, and Containers - Client shall provide Pace with at least 10 business days' prior written notice of the delivery of any sample(s). Within 72 hours following Client's notice, Pace shall issue a written rejection of the sample(s) or its acceptance may be presumed. Notwithstanding the foregoing, Client shall remain liable for any loss or damage to the sample(s) until Pace evidences its acceptance on the chain of custody documents. Pace reserves the right to charge for any sample container(s) that are: a) provided to, but not used, by Client; or b) received by Pace, but not analyzed at Client's request.
7. Sample Storage and Disposal - Pace shall dispose of any non-hazardous sample(s) within 30 days following the issuance of Client's final report. In addition, Pace may return, and Client must accept, any/all highly hazardous, acutely toxic, or radioactive sample(s), sample containers, and residues, as well as any/all sample(s) for which no approved method of disposal exists.
8. Non-Assignment - Neither party may assign or transfer any rights or obligations existing under these Terms without prior written notice to the other party, except that Pace may, without notice to its Client: a) transfer the Project to another Pace laboratory; or 2) subcontract the Project to a third-party laboratory.
9. Time of Completion; Force Majeure - Pace shall use its best efforts to accomplish the Project within any specified time limitations. Pace shall not be held responsible for any non-performance or delay caused by Client, Client's employee, agents, or contractors, or factors or events beyond Pace's control, such as government shutdowns, natural disasters, labor strikes or acts of God.
10. Compensation -
 - a) The pricing offered to Client by Pace is predicated upon Client's acceptance of these Terms. In most cases, the pricing includes all sample containers and preservatives as prescribed by the analytical method requested for each determination. Credit worthiness will be determined based upon an assessment of Client's payment history, credit reports, financial stability, and/or other factors. If Pace is serving as a subcontractor for Client, Pace may seek and receive information about the Prime Client prior to granting credit. If credit is not granted, Client must pay Pace prior to initiation of the Project.
 - b) Client agrees to pay for services as documented by Pace and accepted by Client. Payment terms for uncontested invoice items are net 30 days. Client must notify Pace in writing within 15 days of its receipt of the invoice in order to suspend its payment and interest obligations for any disputed invoice items pending resolution. Beginning 30 days after the invoice date, Pace may charge interest on all unpaid and undisputed balances at the rate of 1.5% per month, not to exceed the maximum rate allowed by law. Client may ask Pace to invoice a third party, although Client shall remain ultimately responsible for the payment of any outstanding balance.
 - c) Client's failure to pay within 60 days of Pace's dated invoice shall constitute a material breach of these Terms, for which Pace may terminate all of its duties hereunder without liability. If Pace must subsequently take action to collect payment, Client shall pay all associated costs thereof, including attorneys' fees. Any significant changes to the scope of work following the submittal of a price quotation or the delivery of samples to the laboratory are subject to a renegotiation of prices and/or terms relating to the original scope of work. Qualifying changes may include, but are not limited to: QA/QC requirements and procedures; detection limits; samples received and stored, but not analyzed; a decrease in quantity of samples delivered compared to quantity quoted; and reporting and other deliverable format requirements. Pace shall not be required to comply with such changes unless Pace agrees to them in writing.
11. Risk Allocation and Damages - Client accepts that the Project may involve inherent risks and that Pace cannot always guarantee satisfactory results. Notwithstanding the foregoing, if a court of competent jurisdiction finds that Pace failed to meet applicable standards and if Client suffers damages as a result, Pace's aggregate liability for its negligence or unintentional breach of contract shall not exceed the total fee paid for its services. This limitation shall not apply to losses arising from Pace's negligence or willful misconduct, so long as:
 - a) Client notifies Pace within: 30 days from the date of discovery of Pace's claimed negligence or misconduct; or two years from the date of the Client's claimed losses; and
 - b) Pace is allowed to investigate and, insofar as possible, mitigate Client's claimed losses.Neither Pace nor Client shall be liable to the other for special, incidental, consequential, or punitive losses, except as allowed in Section 12. Client Responsibilities below.

Pace Analytical Services, Inc.

8 East Tower Circle
Ormond Beach, FL 32174
386.672.5668
fax 386.673.4001



Pace Analytical Services, Inc. - TERMS & CONDITIONS - Continued

12. Client Responsibilities - Client shall:

- a) Provide Pace with full and complete information about all known or reasonably knowable factors that could affect Pace's ability to perform its obligations, and promptly notify Pace if it discovers same following Project initiation;
- b) Enable access by Pace personnel and/or subcontractor to any site where Pace is to perform work, and to all Client personnel who are critical to the success of the Project;
- c) Obtain, on behalf of Pace, any authority or permission required by any third party;
- d) Provide Pace with at least 10 business day's notice of any known or reasonably knowable delay regarding the start-up, progress, or completion to the Project; and
- e) Pay for Pace's reasonable costs to perform any out-of-scope services, such as compliance audits, responding to subpoenas, etc.

If Client defaults on any of these responsibilities and Pace incurs labor and/or material costs as a result, Client shall reimburse Pace for its actual expenses, as well as any lost profits directly attributable to Client's default.

13. Indemnification - Pace shall indemnify and hold Client harmless from and against any demands, losses, damages, and expenses caused by Pace's negligence or willful misconduct, as well as by the negligence and willful misconduct by persons for whom Pace is legally responsible. Client shall likewise indemnify and hold Pace harmless from and against the demands, losses, damages, and expenses caused by Client's negligence or willful misconduct, including Client's use of Pace's name and/or registered mark for anything other than the specific purpose for which it was intended. In addition, Client shall fully indemnify Pace from and against any and all claims by a third party, as well as for all related losses, costs, fees, damages, liabilities or expenses arising out of or relating to Client's breach of these Terms or its violation of applicable laws.

14. Insurance - Pace carries liability insurance with limits as follows:

General Liability - \$1,000,000 each occurrence; \$2,000,000 general aggregate;

Personal and Advertising Injury - \$1,000,000;

Automobile Liability - \$1,000,000 combined single limit;

Excess Liability Umbrella - \$5,000,000 aggregate; \$5,000,000 each occurrence;

Worker's Compensation Insurance - statutory limits; and

Professional Liability - \$5,000,000 aggregate, \$5,000,000 per claim

Pace will, at Client's request, submit certificates of insurance showing limits of coverage.

15. Amendments/Change Orders - Any attempt to modify, vary, supplement, or clarify any provision of these Terms is of no effect unless reduced to writing and signed by both Parties. Any such changes may increase the amount due Pace and affect Pace's obligations towards Client (see Section 2. Warranty).

16. Confidentiality - Each party agrees that if, during the performance of the Project, it becomes aware of any confidential or proprietary information of the other, it will not disclose such information except to those employees, subcontractors, or agents who have expressly agreed to maintain confidentiality.

17. Miscellaneous Provisions -

- a) These Terms supersede all prior negotiations and agreements, written or oral, between Pace and Client with respect to this matter; in no event will other terms - excepting those contained in any individual task order(s) relating to this matter - be considered part of these Terms.
- b) In the absence of an executed agreement between the Parties, the delivery of any sample(s) to a Pace laboratory will constitute acceptance of these Terms by Client.
- c) These Terms shall be construed and interpreted in accordance with the laws of the State of Minnesota without giving effect to the principles of conflicts of law thereof.
- d) Client may publicly identify Pace's role as its testing laboratory so long as it immediately retracts or eliminates all such references upon termination of these Terms or Pace's written request.
- e) For purposes of these Terms, the Parties may use and rely upon electronic signatures and documents for the execution and delivery of these Terms and any amendments, notices, records, disclosures, or other documents of any type sent or received in accordance with these Terms.
- f) Pace is an independent contractor; no employer/employee relationship shall arise as a result of the Project.
- g) These Terms shall be binding upon, and inure to the benefit of, the Parties and their respective successors and assigns.

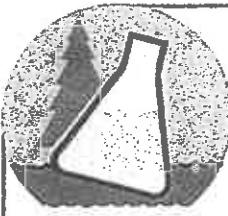
Additional Pricing Considerations:

I have read and understand these terms and conditions:

Printed Name: _____

Signature: _____

Date: _____



NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

LABORATORY SERVICES QUOTATION

Little Chute Waterworks
Attn: Jerry Versteegen
108 West Main Street
Little Chute WI 54140-

QUOTATION: 124794
CLIENT: 89122
DATE: 01/23/2018
PHONE: 920-788-7522
FAX: 920-788-7523

PROJECT UCMR4 Quote - Ground Water System

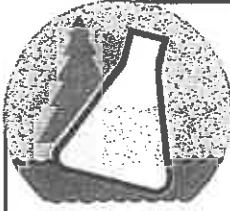
EFFECTIVE 01/23/2018 THROUGH 12/31/2020

| (3) Energy Point 2 Sampling Events (semi-annual) | | Qty | Price | Total |
|--|--|-----------|----------|-----------|
| UCMR4 - Metals by Method 200.8 (Ge and Mn) | | 6 | \$72.00 | \$432.00 |
| Pesticides - EPA Method 525.3 | | 6 | \$297.00 | \$1782.00 |
| Alcohols - EPA Method 541 | | 6 | \$261.00 | \$1566.00 |
| SVOCs - EPA Method 530 | | 6 | \$283.50 | \$1701.00 |
| | | Subtotal: | | \$5481.00 |

| (2) WDSMART Sample 1/2 Sampling Events (semi-annual) | | Qty | Price | Total |
|--|--|-----------|----------|----------|
| HAA9 - EPA Method 552.3 | | 4 | \$157.50 | \$630.00 |
| | | Subtotal: | | \$630.00 |

| (3) Source Water 1/2 Sampling Events (semi-annual) | | Qty | Price | Total |
|--|--|-----------|---------|----------|
| Total Organic Carbon (TOC) | | 6 | \$45.00 | \$270.00 |
| Bromide, as Br- (unfiltered) | | 6 | \$45.00 | \$270.00 |
| | | Subtotal: | | \$540.00 |

| (2) Prepaid Labels and Shipping | | Qty | Price | Total |
|---|--|-----------|--------|-----------|
| EDD - UCMR4 Reporting/USEPA SDWARS/CDX | | 2 | \$0.00 | \$0.00 |
| Sample transport - Prepaid Return UPS Next Day Air Labels | | 2 | \$0.00 | \$0.00 |
| | | Subtotal: | | \$0.00 |
| | | Total: | | \$6651.00 |



NORTHERN LAKE SERVICE, INC.

Analytical Laboratory and Environmental Services

400 North Lake Avenue • Crandon, WI 54520-1298
Tel: (715) 478-2777 • Fax: (715) 478-3060

LABORATORY SERVICES QUOTATION

Little Chute Waterworks
Attn: Jerry Versteegen
108 West Main Street
Little Chute WI 54140-

QUOTATION: 124794
CLIENT: 89122
DATE: 01/23/2018
PHONE: 920-788-7522
FAX: 920-788-7523

PROJECT UCMR4 Quote - Ground Water System
EFFECTIVE 01/23/2018 THROUGH 12/31/2020

Other Information

Prices include shipping kits to your site, return shipping labels (Next Day Air).

Subject to Northern Lake Service Standard Terms and Conditions

Submitted by: Tracy Huber

Signature:

PWS: WI4450338 / Little Chute Waterworks

| Fac ID | Fac Name | Fac Type | Water Type | SP ID | SP Name | SP Type | Monitoring | SE1 | SE2 | SE3 | SE4 | SE5 | SE6 | SE7 | SE8 |
|--------|--------------------|----------|------------|-------|--------------------|---------|------------|----------|----------|-----|-----|-----|-----|-----|-----|
| 00001 | Well #1 | TP | GW | 1 | Booster Pump #1 | EP | AM1 | Nov 2018 | May 2019 | | | | | | |
| 00003 | Well #3 | TP | GW | 3 | Booster Pump #3 | EP | AM1 | Nov 2018 | May 2019 | | | | | | |
| 00004 | Well #4 | TP | GW | 4 | Booster Pump #5 | EP | AM1 | Nov 2018 | May 2019 | | | | | | |
| 00005 | 1901 E Main Street | DS | GW | B4 | 1901 E Main Street | DS | AM2 | Nov 2018 | May 2019 | | | | | | |
| 00006 | 1607 Hamilton Ct | DS | GW | B7 | 1607 Hamilton Ct | DS | AM2 | Nov 2018 | May 2019 | | | | | | |
| 00007 | Well # 1 | IN | GW | W1 | Well # 1 | SR | AM2 | Nov 2018 | May 2019 | | | | | | |
| 00009 | Well # 4 | IN | GW | W4 | Well # 4 | SR | AM2 | Nov 2018 | May 2019 | | | | | | |
| 00010 | Well # 3 | IN | GW | W3 | Well # 3 | SR | AM2 | Nov 2018 | May 2019 | | | | | | |

3El
3Raw
2Dist



MIDWEST CONTRACT OPERATIONS, INC.
P.O. BOX 418 MENASHA, WI 54952-0418

Monthly Superintendent Report/Update

To: Village of Little Chute Water Commission
From: Jerry Verstegen, Water Utility Supt. (MCO)
Month of: July 2018

Updates for current, past and ongoing Water Department projects and areas of concern:

1. Plants/Treatment
 - Well # 4 Break down, please see "Event Log"
 - Well # 4, Booster # 5 have been pulled and we are waiting on new pump to be installed.
 - Pulled well #4 due to emergency failure
 - Cleaned brine tanks at pump house #2, please see "Event Log"
 - Installed new dehumidifier at Well # 4.
 - Current issues with slow rinse Aquamatic valve, we are currently working on replacing valve and adding a new mag meter to the slow rinse line at Well # 4.
2. Distribution
 - Replaced hydrant at Wisconsin and Hayes
 - Found and fixed two water main breaks on Taylor Street.
3. Meters
 - Residential meter changes continue.
 - Large amount of meter testing is taking place.
4. General Water
 - The weekly Chloride testing at Well # 1 has come to an end, the Department will need to perform quarterly sampling moving forward.
 - Department had a meeting with Darboy to discuss salt issues, will update at meeting.

Jerry Verstegen (920-858-7477)

2018 Pumpage Totals

8/22/2018

| Pumpage x 1000 | | | | | | | | Waste Discharge x 1000 | | | | | | | | Blend and Pumpage % | | | | | | | |
|----------------|--------|--------|---------------|--------|--------|--------|---------|------------------------|-----|-----|----------|-----|-----|--------|----------|---------------------|--------|--------|-------------------|-------|-------|-------|-------|
| Well Pumps | | | Booster Pumps | | | Well | Booster | Storm | | | Sanitary | | | Storm | Sanitary | Blend % | | | % Pumped by Plant | | | | |
| # 1 | # 3 | # 4 | # 1 | # 3 | # 4 | Totals | Totals | # 1 | # 3 | # 4 | # 1 | # 3 | # 4 | Totals | Totals | # 1 | # 3 | # 4 | # 1 | # 3 | # 4 | | |
| 1-Jul | 756 | 39 | 527 | 690 | 73 | 511 | 1,322 | 1,274 | 24 | 0 | | 29 | 0 | 44 | 24 | 73 | 11.90% | 16.39% | 11.16% | 57.2% | 3.0% | 39.9% | |
| 2-Jul | 88 | 715 | 494 | 114 | 643 | 531 | 1,297 | 1,288 | 0 | 16 | | 0 | 49 | 44 | 16 | 93 | 11.36% | 16.02% | 12.12% | 6.8% | 55.1% | 38.1% | |
| 3-Jul | 770 | 56 | 460 | 710 | 46 | 520 | 1,286 | 1,276 | 19 | 0 | | 23 | 0 | 34 | 19 | 57 | 11.82% | 15.87% | 11.93% | 59.9% | 4.4% | 35.8% | |
| 4-Jul | 98 | 748 | 426 | 95 | 725 | 480 | 1,272 | 1,300 | 0 | 17 | | 0 | 49 | 39 | 17 | 88 | 12.24% | 16.44% | 12.11% | 7.7% | 58.8% | 33.5% | |
| 5-Jul | 95 | 724 | 548 | 117 | 660 | 556 | 1,367 | 1,333 | 5 | 17 | | 5 | 48 | 44 | 22 | 97 | 11.58% | 16.11% | 12.13% | 6.9% | 53.0% | 40.1% | |
| 6-Jul | 773 | 0 | 475 | 716 | 0 | 566 | 1,248 | 1,282 | 24 | 0 | | 29 | 0 | 44 | 24 | 73 | 11.77% | | 12.25% | 61.9% | 0.0% | 38.1% | |
| 7-Jul | 703 | 0 | 542 | 675 | 0 | 528 | 1,245 | 1,203 | 19 | 0 | | 0 | 0 | 44 | 19 | 44 | 11.95% | | 12.06% | 56.5% | 0.0% | 43.5% | |
| 8-Jul | 263 | 787 | 548 | 253 | 750 | 588 | 1,598 | 1,591 | 5 | 17 | | 28 | 49 | 44 | 22 | 121 | 11.79% | 16.28% | 11.61% | 16.5% | 49.2% | 34.3% | |
| 9-Jul | 982 | 84 | 496 | 995 | 60 | 675 | 1,562 | 1,730 | 29 | 16 | | 32 | 33 | 44 | 45 | 109 | 11.81% | 14.88% | 10.38% | 62.9% | 5.4% | 31.8% | |
| 10-Jul | 1,417 | 157 | 0 | 1,410 | 195 | 0 | 1,574 | 1,605 | 39 | 19 | | 44 | 52 | 0 | 58 | 96 | 11.57% | 20.77% | | 90.0% | 10.0% | 0.0% | |
| 11-Jul | 1,176 | 618 | 0 | 1,042 | 567 | 0 | 1,794 | 1,609 | 34 | 5 | | 42 | 18 | 0 | 39 | 60 | 11.82% | 15.20% | | 65.6% | 34.4% | 0.0% | |
| 12-Jul | 66 | 1,340 | 0 | 68 | 1,258 | 0 | 1,406 | 1,326 | 0 | 27 | | 0 | 48 | 0 | 27 | 48 | 12.12% | 16.35% | | 4.7% | 95.3% | 0.0% | |
| 13-Jul | 837 | 681 | 0 | 799 | 640 | 0 | 1,518 | 1,439 | 24 | 17 | | 27 | 29 | 0 | 41 | 56 | 11.71% | 16.09% | | 55.1% | 44.9% | 0.0% | |
| 14-Jul | 698 | 616 | 0 | 692 | 558 | 0 | 1,314 | 1,250 | 19 | 16 | | 24 | 29 | 0 | 35 | 53 | 11.89% | 14.95% | | 53.1% | 46.9% | 0.0% | |
| 15-Jul | 807 | 705 | 0 | 753 | 693 | 0 | 1,512 | 1,446 | 20 | 6 | | 23 | 9 | 0 | 26 | 32 | 11.90% | 14.49% | | 53.4% | 46.6% | 0.0% | |
| 16-Jul | 928 | 743 | 0 | 955 | 686 | 112 | 1,671 | 1,753 | 29 | 17 | | 31 | 30 | 97 | 46 | 158 | 11.75% | 15.87% | | 55.5% | 44.5% | 0.0% | |
| 17-Jul | 875 | 757 | 0 | 782 | 714 | 0 | 1,632 | 1,496 | 24 | 16 | | 31 | 29 | 0 | 40 | 60 | 11.89% | 16.43% | | 53.6% | 46.4% | 0.0% | |
| 18-Jul | 866 | 640 | 0 | 890 | 610 | 0 | 1,506 | 1,500 | 19 | 11 | | 23 | 19 | 0 | 30 | 42 | 11.89% | 16.24% | | 57.5% | 42.5% | 0.0% | |
| 19-Jul | 633 | 1,076 | 78 | 597 | 991 | 0 | 1,787 | 1,588 | 24 | 27 | | 28 | 48 | 45 | 51 | 121 | 11.85% | 15.85% | 17.68% | 35.4% | 60.2% | 4.4% | |
| 20-Jul | 487 | 1,005 | 146 | 439 | 980 | 0 | 1,638 | 1,419 | 15 | 17 | | 17 | 29 | 0 | 32 | 46 | 11.91% | 15.34% | 4.00% | 29.7% | 61.4% | 8.9% | |
| 21-Jul | 503 | 907 | 0 | 490 | 811 | 0 | 1,410 | 1,301 | 14 | 16 | | 9 | 28 | 0 | 30 | 37 | 11.73% | 15.61% | | 35.7% | 64.3% | 0.0% | |
| 22-Jul | 441 | 887 | 0 | 453 | 848 | 0 | 1,328 | 1,301 | 5 | 16 | | 13 | 29 | 0 | 21 | 42 | 11.79% | 15.55% | | 33.2% | 66.8% | 0.0% | |
| 23-Jul | 311 | 938 | 135 | 299 | 934 | 239 | 1,384 | 1,472 | 10 | 27 | | 12 | 39 | 15 | 37 | 66 | 11.58% | 15.63% | 3.94% | 22.5% | 67.8% | 9.8% | |
| 24-Jul | 467 | 1,184 | 118 | 413 | 1,092 | 0 | 1,769 | 1,505 | 14 | 17 | | 17 | 37 | 0 | 31 | 54 | 11.99% | 15.72% | 4.05% | 26.4% | 66.9% | 6.7% | |
| 25-Jul | 299 | 1,027 | 175 | 308 | 956 | 243 | 1,501 | 1,507 | 5 | 22 | | 5 | 38 | 30 | 27 | 73 | 11.71% | 15.39% | 5.09% | 19.9% | 68.4% | 11.7% | |
| 26-Jul | 484 | 951 | 0 | 483 | 858 | 0 | 1,435 | 1,341 | 15 | 16 | | 17 | 29 | 0 | 31 | 46 | 11.78% | 15.59% | | 33.7% | 66.3% | 0.0% | |
| 27-Jul | 484 | 880 | 0 | 463 | 892 | 0 | 1,364 | 1,355 | 14 | 22 | | 17 | 31 | 0 | 36 | 48 | 11.78% | 15.75% | | 35.5% | 64.5% | 0.0% | |
| 28-Jul | 483 | 957 | 0 | 436 | 849 | 0 | 1,440 | 1,285 | 15 | 21 | | 17 | 55 | 0 | 36 | 72 | 12.01% | 16.06% | | 33.5% | 66.5% | 0.0% | |
| 29-Jul | 1,330 | 78 | 0 | 1,332 | 60 | 0 | 1,408 | 1,392 | 39 | 0 | | 39 | 0 | 0 | 39 | 39 | 11.88% | 14.23% | | 94.5% | 5.5% | 0.0% | |
| 30-Jul | 1,183 | 0 | 212 | 1,119 | 0 | 224 | 1,395 | 1,343 | 29 | 0 | | 40 | 0 | 30 | 29 | 70 | 11.83% | | 4.63% | 84.8% | 0.0% | 15.2% | |
| 31-Jul | 1,062 | 0 | 201 | 1,001 | 0 | 290 | 1,263 | 1,291 | 29 | 0 | | 34 | 0 | 14 | 29 | 48 | 11.86% | | 4.30% | 84.1% | 0.0% | 15.9% | |
| Avg | 657 | 623 | 180 | 632 | 585 | 196 | 1,460 | 1,413 | 18 | | | 21 | | | 20 | 32 | 68 | 11.8% | 15.9% | 9.3% | 45.0% | 41.9% | 13.1% |
| Total | 20,365 | 19,300 | 5,581 | 19,589 | 18,149 | 6,063 | 45,246 | 43,801 | 561 | | | 656 | | | 613 | 979 | 2,123 | | | | | | |

2018 Treatment Totals

8/22/2018

| | Chemical Pounds | | | | | | | | | Doseage | | | | | |
|--------|-----------------|---------|-------|----------|---------|---------|---------|---------|--------|----------|------|------|----------|-------|-------|
| | Chlorine | | | Silicate | | | Salt | | | Chlorine | | | Silicate | | |
| | # 1 | # 3 | # 4 | # 1 | # 3 | # 4 | # 1 | # 3 | # 4 | # 1 | # 3 | # 4 | # 1 | # 3 | # 4 |
| 1-Jul | 58.4 | 4.4 | 41.6 | 196 | 16 | 247 | 4,420 | 0 | 5,980 | 1.16 | 1.69 | 1.18 | 9.17 | 14.51 | 16.58 |
| 2-Jul | 7 | 60.4 | 38.8 | 22 | 246 | 220 | 0 | 5,980 | 5,720 | 1.19 | 1.27 | 1.18 | 8.84 | 12.17 | 15.75 |
| 3-Jul | 60.6 | 4.8 | 34.8 | 204 | 18 | 208 | 3,640 | 0 | 3,900 | 1.18 | 1.28 | 1.13 | 9.37 | 11.37 | 15.99 |
| 4-Jul | 8.4 | 60.8 | 34 | 26 | 264 | 208 | 0 | 5,720 | 5,980 | 1.28 | 1.22 | 1.20 | 9.38 | 12.48 | 17.27 |
| 5-Jul | 7 | 64.2 | 43.8 | 30 | 266 | 259 | 1,040 | 5,720 | 5,720 | 1.10 | 1.33 | 1.20 | 11.17 | 13.00 | 16.72 |
| 6-Jul | 60.2 | 0 | 36.8 | 220 | 0 | 219 | 4,420 | 0 | 5,980 | 1.17 | | 1.16 | 10.07 | | 16.31 |
| 7-Jul | 55 | 0 | 43 | 202 | 0 | 260 | 3,640 | 0 | 5,720 | 1.17 | | 1.19 | 10.16 | | 16.97 |
| 8-Jul | 20.4 | 64.8 | 43.2 | 76 | 274 | 247 | 1,040 | 5,980 | 5,720 | 1.16 | 1.23 | 1.18 | 10.22 | 12.31 | 15.94 |
| 9-Jul | 76.8 | 7 | 39.6 | 266 | 40 | 233 | 5,460 | 6,240 | 5,980 | 1.17 | 1.25 | 1.20 | 9.58 | 16.84 | 16.62 |
| 10-Jul | 112.2 | 13.8 | 0 | 380 | 58 | 0 | 7,280 | 5,720 | 0 | 1.19 | 1.32 | | 9.49 | 13.07 | |
| 11-Jul | 93 | 50.8 | 0 | 296 | 212 | 0 | 6,500 | 1,820 | 0 | 1.19 | 1.23 | | 8.90 | 12.13 | |
| 12-Jul | 5.2 | 114.4 | 0 | 22 | 480 | 0 | 0 | 7,800 | 0 | 1.18 | 1.28 | | 11.79 | 12.67 | |
| 13-Jul | 66 | 59.4 | 0 | 208 | 234 | 0 | 4,420 | 4,680 | 0 | 1.18 | 1.31 | | 8.79 | 12.15 | |
| 14-Jul | 56 | 54.2 | 0 | 190 | 228 | 0 | 3,640 | 4,420 | 0 | 1.20 | 1.32 | | 9.63 | 13.09 | |
| 15-Jul | 64.4 | 60 | 0 | 206 | 242 | 0 | 3,640 | 1,820 | 7,020 | 1.20 | 1.28 | | 9.03 | 12.14 | |
| 16-Jul | 73.2 | 62.4 | 1.4 | 240 | 258 | 0 | 5,460 | 4,420 | 11,700 | 1.18 | 1.26 | | 9.15 | 12.28 | |
| 17-Jul | 69 | 64.8 | 0 | 214 | 264 | 0 | 4,680 | 4,680 | 0 | 1.18 | 1.28 | | 8.65 | 12.34 | |
| 18-Jul | 68.8 | 52 | 0 | 212 | 306 | 0 | 3,640 | 3,120 | 0 | 1.19 | 1.22 | | 8.66 | 16.91 | |
| 19-Jul | 49.4 | 91.8 | 0.2 | 150 | 378 | 13 | 4,420 | 7,800 | 5,720 | 1.17 | 1.28 | 0.04 | 8.38 | 12.43 | 5.90 |
| 20-Jul | 37 | 86.2 | 12.2 | 118 | 360 | 77 | 2,860 | 4,680 | 0 | 1.14 | 1.29 | 1.25 | 8.57 | 12.67 | 18.65 |
| 21-Jul | 39 | 79.2 | 0 | 124 | 324 | 0 | 2,600 | 4,680 | 0 | 1.16 | 1.31 | | 8.72 | 12.64 | |
| 22-Jul | 34.4 | 81 | 0 | 116 | 327 | 0 | 1,040 | 4,680 | 0 | 1.17 | 1.37 | | 9.30 | 13.04 | |
| 23-Jul | 24.4 | 84.4 | 10 | 84 | 327 | 40 | 1,820 | 6,500 | 2,080 | 1.18 | 1.35 | 1.11 | 9.55 | 12.33 | 10.48 |
| 24-Jul | 36.2 | 106 | 7 | 122 | 410 | 39 | 2,860 | 5,980 | 0 | 1.16 | 1.34 | 0.89 | 9.24 | 12.25 | 11.69 |
| 25-Jul | 23.4 | 92.8 | 6.6 | 82 | 374 | 51 | 780 | 5,980 | 3,900 | 1.17 | 1.35 | 0.57 | 9.70 | 12.88 | 10.31 |
| 26-Jul | 38.4 | 87.4 | 0 | 126 | 334 | 0 | 2,860 | 4,680 | 0 | 1.19 | 1.38 | | 9.21 | 12.42 | |
| 27-Jul | 36.8 | 78.8 | 0 | 120 | 302 | 0 | 2,600 | 6,240 | 0 | 1.14 | 1.34 | | 8.77 | 12.14 | |
| 28-Jul | 38.2 | 59.8 | 0 | 126 | 340 | 0 | 2,860 | 6,240 | 0 | 1.19 | 0.94 | | 9.23 | 12.57 | |
| 29-Jul | 105 | 3.4 | 0 | 342 | 22 | 0 | 7,280 | 0 | 0 | 1.18 | 0.65 | | 9.10 | 9.98 | |
| 30-Jul | 95 | 0 | 9 | 286 | 0 | 66 | 5,460 | 0 | 3,900 | 1.20 | | 0.64 | 8.55 | | 11.01 |
| 31-Jul | 83.2 | 0 | 8.4 | 254 | 0 | 38 | 5,460 | 0 | 1,820 | 1.17 | | 0.63 | 8.46 | | 6.69 |
| Avg | 51.7 | 53.2 | 13.2 | 169.7 | 222.7 | 78.2 | 3,414 | 4,051 | 2,801 | 1.2 | 1.3 | 1.0 | 9.3 | 12.8 | 13.9 |
| Total | 1,602.0 | 1,649.0 | 410.4 | 5,260.0 | 6,904.0 | 2,425.0 | 105,820 | 125,580 | 86,840 | 36.5 | 34.4 | 15.7 | 288.8 | 344.8 | 222.9 |

2018 System Samples

8/22/2018

| Date | North West | | | | | | North East | | | | | | South West | | | | | | South East | | | | | |
|----------|------------|------|------|------|-------|------|------------|------|------|------|-------|------|------------|------|------|------|-------|------|------------|------|------|------|-------|------|
| Week | Total | Free | Ph | Hard | Silc | Iron | Total | Free | Ph | Hard | Silc | Iron | Total | Free | Ph | Hard | Silc | Iron | Total | Free | Ph | Hard | Silc | Iron |
| 01/01/18 | 0.40 | 0.33 | 7.4 | 7.0 | 10.0 | 0.33 | 0.40 | 0.34 | 7.5 | 5.0 | 12.0 | 0.09 | 0.50 | 0.42 | 7.5 | 5.0 | 14.0 | 0.42 | 0.52 | 0.46 | 7.4 | 6.0 | 10.0 | 0.07 |
| 01/08/18 | 0.41 | 0.32 | 7.3 | 24.0 | 19.0 | 0.19 | 0.42 | 0.33 | 7.4 | 16.0 | 23.0 | 0.04 | 0.52 | 0.41 | 7.4 | 4.0 | 18.0 | 0.01 | 0.72 | 0.56 | 7.3 | 15.0 | 11.0 | 0.28 |
| 01/15/18 | 0.44 | 0.37 | 7.4 | 9.0 | 10.0 | 0.07 | 0.58 | 0.49 | 7.4 | 7.0 | 13.0 | 0.14 | 0.70 | 0.61 | 7.3 | 4.0 | 13.0 | 0.05 | 0.50 | 0.42 | 7.4 | 7.0 | 15.0 | 0.08 |
| 01/22/18 | 0.49 | 0.41 | 7.5 | 8.0 | 12.0 | 0.07 | 0.51 | 0.39 | 7.5 | 13.0 | 13.0 | 0.03 | 0.47 | 0.36 | 7.3 | 14.0 | 14.0 | 0.03 | 0.54 | 0.50 | 7.4 | 9.0 | 17.0 | 0.01 |
| 01/29/18 | 0.58 | 0.51 | 7.5 | 8.0 | 15.0 | 0.01 | 0.58 | 0.47 | 7.4 | 7.0 | 19.0 | 0.10 | 0.77 | 0.63 | 7.3 | 5.0 | 15.0 | 0.18 | 0.71 | 0.61 | 7.5 | 5.0 | 17.0 | 0.12 |
| 02/05/18 | 0.62 | 0.55 | 7.4 | 7.0 | 17.0 | 0.03 | 0.68 | 0.59 | 7.5 | 4.0 | 17.0 | 0.03 | 0.79 | 0.67 | 7.3 | 4.0 | 14.0 | 0.02 | 0.77 | 0.67 | 7.6 | 4.0 | 12.0 | 0.10 |
| 02/12/18 | 0.50 | 0.39 | 7.7 | 9.0 | 12.0 | 0.01 | 0.41 | 0.35 | 7.7 | 9.0 | 11.0 | 0.02 | 0.87 | 0.75 | 7.4 | 5.0 | 16.0 | 0.02 | 0.76 | 0.65 | 7.4 | 4.0 | 11.0 | 0.01 |
| 02/19/18 | 0.42 | 0.32 | 7.5 | 9.0 | 18.0 | 0.04 | 0.30 | 0.59 | 7.5 | 7.0 | 13.0 | 0.01 | 0.72 | 0.60 | 7.4 | 4.0 | 15.0 | 0.01 | 0.54 | 0.42 | 7.3 | 8.0 | 19.0 | 0.01 |
| 02/26/18 | 0.52 | 0.48 | 7.4 | 8.0 | 14.0 | 0.10 | 0.44 | 0.39 | 7.5 | 7.0 | 15.0 | 0.04 | 0.62 | 0.50 | 7.3 | 5.0 | 18.0 | 0.06 | 0.48 | 0.40 | 7.5 | 6.0 | 12.0 | 0.06 |
| 03/05/18 | 0.50 | 0.40 | 7.3 | 8.0 | 14.0 | 0.20 | 0.50 | 0.42 | 7.4 | 4.0 | 10.0 | 0.14 | 0.57 | 0.47 | 7.4 | 5.0 | 10.0 | 0.15 | 0.65 | 0.52 | 7.4 | 4.0 | 10.0 | 0.22 |
| 03/12/18 | 0.44 | 0.35 | 7.5 | 17.0 | 14.0 | 0.15 | 0.40 | 0.31 | 7.7 | 10.0 | 15.0 | 0.10 | 0.53 | 0.41 | 7.6 | 8.0 | 15.0 | 0.12 | 0.70 | 0.58 | 7.6 | 4.0 | 14.0 | 0.18 |
| 03/19/18 | 0.48 | 0.38 | 7.3 | 8.0 | 15.0 | 0.19 | 0.58 | 0.42 | 7.2 | 9.0 | 16.0 | 0.13 | 0.93 | 0.84 | 7.4 | 4.0 | 17.0 | 0.02 | 0.54 | 0.45 | 7.4 | 7.0 | 17.0 | 0.15 |
| 03/26/18 | 0.42 | 0.38 | 7.3 | 8.0 | 21.0 | 0.19 | 0.19 | 0.10 | 7.4 | 5.0 | 23.0 | 0.05 | 0.38 | 0.32 | 7.4 | 5.0 | 21.0 | 0.19 | 0.45 | 0.35 | 7.4 | 7.0 | 18.0 | 0.12 |
| 04/02/18 | 0.51 | 0.47 | 7.4 | 7.0 | 18.0 | 0.12 | 0.21 | 0.19 | 7.4 | 7.0 | 20.0 | 0.11 | 0.25 | 0.21 | 7.5 | 6.0 | 16.0 | 0.13 | 0.47 | 0.44 | 7.5 | 7.0 | 15.0 | 0.15 |
| 04/09/18 | 0.42 | 0.37 | 7.6 | 10.0 | 17.0 | 0.13 | 0.57 | 0.45 | 7.4 | 10.0 | 14.0 | 0.13 | 0.50 | 0.40 | 7.2 | 15.0 | 16.0 | 0.23 | 0.52 | 0.43 | 7.4 | 9.0 | 17.0 | 0.24 |
| 04/16/18 | 0.72 | 0.61 | 7.5 | 8.0 | 11.0 | 0.11 | 0.72 | 0.60 | 7.5 | 9.0 | 12.0 | 0.19 | 0.69 | 0.59 | 7.3 | 6.0 | 14.0 | 0.17 | 0.68 | 0.58 | 7.5 | 8.0 | 19.0 | 0.17 |
| 04/23/18 | 0.52 | 0.37 | 7.3 | 7.0 | 8.0 | 0.06 | 0.61 | 0.55 | 7.2 | 4.0 | 7.0 | 0.01 | 0.83 | 0.67 | 7.3 | 4.0 | 8.0 | 0.04 | 0.65 | 0.53 | 7.3 | 4.0 | 16.0 | 0.02 |
| 04/30/18 | 0.42 | 0.31 | 7.4 | 13.0 | 15.0 | 0.01 | 0.49 | 0.40 | 7.4 | 8.0 | 17.0 | 0.18 | 0.79 | 0.73 | 7.4 | 7.0 | 18.0 | 0.03 | 0.49 | 0.39 | 7.4 | 8.0 | 17.0 | 0.09 |
| 05/07/18 | 0.49 | 0.41 | 7.5 | 8.0 | 12.0 | 0.07 | 0.51 | 0.39 | 7.5 | 13.0 | 13.0 | 0.03 | 0.47 | 0.36 | 7.3 | 14.0 | 14.0 | 0.03 | 0.54 | 0.50 | 7.4 | 9.0 | 17.0 | 0.01 |
| 05/14/18 | 0.50 | 0.41 | 7.3 | 8.0 | 15.0 | 0.07 | 0.48 | 0.40 | 7.2 | 5.0 | 15.0 | 0.12 | 0.60 | 0.51 | 7.3 | 7.0 | 13.0 | 0.08 | 0.45 | 0.32 | 7.6 | 7.0 | 15.0 | 0.12 |
| 05/21/18 | 0.42 | 0.35 | 7.6 | 7.0 | 19.0 | 0.14 | 0.66 | 0.53 | 7.4 | 4.0 | 16.0 | 0.14 | 0.51 | 0.45 | 7.3 | 4.0 | 16.0 | 0.12 | 0.59 | 0.47 | 7.4 | 4.0 | 19.0 | 0.11 |
| 05/28/18 | 0.54 | 0.43 | 7.4 | 4.0 | 20.0 | 0.22 | 0.56 | 0.42 | 7.5 | 7.0 | 15.0 | 0.07 | 0.62 | 0.50 | 7.3 | 4.0 | 17.0 | 0.13 | 0.53 | 0.46 | 7.5 | 5.0 | 17.0 | 0.10 |
| 06/04/18 | 0.39 | 0.28 | 7.4 | 7.0 | 18.0 | 0.03 | 0.34 | 0.29 | 7.3 | 7.0 | 15.0 | 0.03 | 0.79 | 0.52 | 7.5 | 3.0 | 17.0 | 0.11 | 0.37 | 0.32 | 7.4 | 4.0 | 16.0 | 0.01 |
| 06/11/18 | 0.52 | 0.46 | 7.6 | 8.0 | 12.0 | 0.01 | 0.37 | 0.32 | 7.6 | 7.0 | 14.0 | 0.02 | 0.70 | 0.65 | 7.4 | 4.0 | 16.0 | 0.01 | 0.61 | 0.51 | 7.5 | 5.0 | 10.0 | 0.07 |
| 06/18/18 | 0.31 | 0.19 | 7.1 | 13.0 | 15.0 | 0.12 | 0.23 | 0.19 | 7.3 | 7.0 | 19.0 | 0.16 | 0.32 | 0.29 | 7.3 | 9.0 | 17.0 | 0.14 | 0.25 | 0.17 | 7.4 | 8.0 | 14.0 | 0.12 |
| 06/25/18 | 0.44 | 0.39 | 7.4 | 7.0 | 13.0 | 0.12 | 0.44 | 0.37 | 7.4 | 4.0 | 22.0 | 0.18 | 0.40 | 0.32 | 7.3 | 4.0 | 22.0 | 0.07 | 0.31 | 0.27 | 7.4 | 6.0 | 23.0 | 0.08 |
| 07/02/18 | 0.38 | 0.32 | 7.3 | 5.0 | 18.0 | 0.09 | 0.37 | 0.31 | 7.5 | 4.0 | 19.0 | 0.11 | 0.68 | 0.58 | 7.4 | 4.0 | 20.0 | 0.09 | 0.31 | 0.29 | 7.4 | 5.0 | 18.0 | 0.13 |
| 07/09/18 | 0.48 | 0.36 | 7.3 | 13.0 | 19.0 | 0.19 | 0.44 | 0.33 | 7.5 | 12.0 | 24.0 | 0.13 | 0.40 | 0.34 | 7.4 | 12.0 | 6.0 | 0.22 | 0.41 | 0.32 | 7.5 | 8.0 | 17.0 | 0.17 |
| 07/16/18 | 0.76 | 0.64 | 7.5 | 6.0 | 16.0 | 0.14 | 0.42 | 0.32 | 7.4 | 4.0 | 18.0 | 0.31 | 0.53 | 0.44 | 7.5 | 4.0 | 13.0 | 0.22 | 0.52 | 0.42 | 7.4 | 4.0 | 19.0 | 0.06 |
| 07/23/18 | 0.44 | 0.37 | 7.5 | 7.0 | 13.0 | 0.10 | 0.48 | 0.40 | 7.4 | 7.0 | 18.0 | 0.10 | 0.35 | 0.26 | 7.2 | 7.0 | 13.0 | 0.11 | 0.48 | 0.45 | 7.3 | 7.0 | 16.0 | 0.14 |
| 07/30/18 | 0.54 | 0.48 | 7.6 | 10.0 | 14.0 | 0.15 | 0.34 | 0.29 | 7.3 | 7.0 | 14.0 | 0.06 | 0.50 | 0.46 | 7.3 | 6.0 | 14.0 | 0.10 | 0.45 | 0.39 | 7.4 | 5.0 | 18.0 | 0.17 |
| Avg | 0.48 | 0.40 | 7.43 | 8.97 | 14.97 | 0.11 | 0.46 | 0.39 | 7.43 | 7.39 | 15.87 | 0.10 | 0.59 | 0.49 | 7.36 | 6.19 | 15.16 | 0.11 | 0.53 | 0.45 | 7.43 | 6.42 | 15.68 | 0.11 |

2018 PUMPING AND WASTE REPORT

| | Pump age x 1000 | | | | | | | | Waste Discharge x 1000 | | | | | | | | | | | |
|---------|-----------------|----------|----------|---------------|----------|----------|---------------|---------------|------------------------|----------|----------|----------|----------|----------|--------------------|----------|----------|------------|--------------|--|
| | Well Pumps | | | Booster Pumps | | | Well | Booster | Storm | | | Sanitary | | | Pounds of Chloride | | | Storm | Sanitary | |
| | Well # 1 | Well # 3 | Well # 4 | Well # 1 | Well # 3 | Well # 4 | Totals | Totals | Well # 1 | Well # 3 | Well # 4 | Well # 1 | Well # 3 | Well # 4 | Well # 1 | Well # 3 | Well # 4 | Totals | Totals | |
| Jan-18 | 11,778 | 9,568 | 14,211 | 11,409 | 8,977 | 15,531 | 35,557 | 35,917 | 331 | 199 | 0 | 604 | 607 | 1,004 | 37,694 | 42,110 | 87,532 | 530 | 2,215 | |
| Feb-18 | 9,185 | 10,290 | 10,807 | 8,800 | 9,708 | 11,768 | 30,282 | 30,276 | 248 | 203 | 0 | 332 | 630 | 766 | 28,231 | 44,634 | 67,976 | 451 | 1,728 | |
| Mar-18 | 11,593 | 9,828 | 11,738 | 11,179 | 9,202 | 12,798 | 33,159 | 33,179 | 325 | 172 | 0 | 379 | 597 | 855 | 37,063 | 42,110 | 74,442 | 497 | 1,831 | |
| Apr-18 | 13,089 | 8,743 | 11,623 | 12,583 | 8,224 | 12,701 | 33,455 | 33,508 | 363 | 193 | 0 | 424 | 575 | 842 | 41,479 | 41,164 | 71,603 | 556 | 1,841 | |
| May-18 | 16,181 | 10,089 | 13,139 | 15,604 | 9,457 | 14,356 | 39,409 | 39,417 | 444 | 209 | 0 | 522 | 636 | 985 | 50,942 | 44,634 | 81,539 | 653 | 2,143 | |
| Jun-18 | 14,500 | 13,696 | 14,141 | 13,970 | 12,728 | 15,363 | 42,337 | 42,061 | 401 | 271 | 0 | 470 | 804 | 1,251 | 46,053 | 57,409 | 91,160 | 672 | 2,525 | |
| Jul-18 | 20,365 | 19,300 | 5,581 | 19,589 | 18,149 | 6,063 | 45,246 | 43,801 | 561 | 418 | 0 | 656 | 854 | 613 | 64,190 | 76,177 | 52,677 | 979 | 2,123 | |
| Aug-18 | | | | | | | | | | | | | | | | | | | | |
| Sep-18 | | | | | | | | | | | | | | | | | | | | |
| Oct-18 | | | | | | | | | | | | | | | | | | | | |
| Nov-18 | | | | | | | | | | | | | | | | | | | | |
| Dec-18 | | | | | | | | | | | | | | | | | | | | |
| Average | 13,813 | 11,645 | 11,606 | 13,305 | 10,921 | 12,654 | 37,064 | 36,880 | 382 | 238 | 0 | 484 | 672 | 902 | 43,665 | 49,748 | 75,276 | 620 | 2,058 | |
| Total | 96,691 | 81,514 | 81,240 | 93,134 | 76,445 | 88,580 | 259,445 | 258,159 | 2,673 | 1,665 | 0 | 3,387 | 4,703 | 6,315 | 305,654 | 348,237 | 526,929 | 4,338 | 14,405 | |

2018 Commission Summary

8/22/2018

| Month | Jan. | Feb. | March | April | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Year |
|--|------|------|-------|-------|-----|------|------|------|-------|------|------|------|------------|
| Meter Change: 3/4" Model 25 | | 1 | 12 | 22 | 24 | 74 | 67 | | | | | | 200 |
| Meter Change: 1" Model 40 | | | | | | 1 | | | | | | | 1 |
| Meter Change: 1 1/2" Model 120 | | | | | | | | | | | | | 0 |
| Meter Change: 2" Model 170 | | | | | | | | | | | | | 0 |
| Meter Tested: 3/4" Model 25 | | | | | 28 | 91 | 70 | | | | | | 189 |
| Meter Tested: 1" Model 40 | | | | | | | | | | | | | 0 |
| Meter Tested: 1 1/2" Model 120 | | | 25 | | | | | | | | | | 25 |
| Meter Tested: 2" Model 170 | | 18 | | | | | | | | | | | 18 |
| Meter Tested: 3" | 9 | | | | | | | | | | | | 9 |
| Meter Tested: 4" | 5 | 1 | | | 2 | | | | | | | | 8 |
| Meter Tested: 6" | | | | | 1 | | | | | | | | 1 |
| Plant Meter Tested | | | | | | | | | | | | | 0 |
| New Install: 3/4" Model 25 | 3 | 8 | 2 | 9 | | 2 | | | | | | | 24 |
| New Install 1" Model 40 | | | | | | | | | | | | | 0 |
| New Install 1 1/2" Model 120 | 1 | 1 | | | | 1 | 1 | | | | | | 4 |
| New Install 2" Model 170 | | | | | | | | | | | | | 0 |
| New Install 3" or 4" CMPD | | | | | | | | | | | | | 0 |
| Final Reads | 60 | 26 | 62 | 65 | | 68 | 65 | | | | | | 346 |
| High/Low Work Orders | 23 | 32 | 16 | 9 | | 50 | 102 | | | | | | 232 |
| Customer Concerns (Water Quality) | | | 1 | | | | | | | | | | 1 |
| Water Main Break | 2 | | | 1 | 4 | 2 | | | | | | | 9 |
| Service Repair (Leaks,break,etc) | 1 | 1 | | 1 | | | | | | | | | 3 |
| Valve Repair (Repair, replace) | | | | | | | | | | | | | 0 |
| Hydrant Repair (Repair,service,replace) | 1 | | | | 1 | 1 | 1 | | | | | | 4 |
| Valves Exercised | 8 | | | 5 | 6 | 271 | 7 | | | | | | 297 |
| Hydrants Flushed | 2 | | | 1 | 572 | 5 | 2 | | | | | | 582 |
| Residential Cross Connection Inspections | | | 12 | 22 | 24 | 74 | 67 | | | | | | 199 |
| Commercial Cross Connection Inspections | | | 80 | | | | | | | | | | 80 |
| Plant PM Work Orders | | | | | | | | | | | | | 0 |
| DNR Water Samples | 13 | 10 | 10 | 10 | 13 | 10 | 13 | | | | | | 79 |
| In-House Water Samples | 28 | 28 | 28 | 35 | 28 | 28 | 28 | | | | | | 203 |



**Engineering Department &
Department of Public Works**
Monthly Utility Commission
Report for July 2018

Sanitary Sewer

Engineering Installed information:

Village contractor installed 2181 LF of sanitary lateral.

Street Notes:

- Routine Sewer checks.
- Rebuilt chimneys on three sanitary manholes.
- 2018 preventative maintenance jetting.
- Sewer back up 2520 Riverside Dr. (homeowners lateral).

Storm Sewer

Engineering Installed information:

Village contractor installed 283 LF of 42 inch of storm main, 32 LF of 15 inch storm main, 1496 LF of 12 inch storm sewer, two 6 foot storm manholes, seven 4 foot storm manholes, 1263 LF of 4 inch storm lateral, and 12 storm inlets.

Street Notes:

- Rebuilt two storm inlets - top end only.
- Was called out to replace lid on storm sewer manhole. Resident stated it happens often. After inspecting a downstream manhole our findings were that the line is heavily restricted with roots.

Storm Ponds

Street Notes:

- Hand pulled Queen Ann Lace and Mustard weed.
- Checked pumps.
- Cleaned trash racks.
- Mow radius around Buchanan pond.

Water

Street Notes:

- Restoration of hot mix from past water breaks.

Engineering Notes:

Evergreen Drive Design

Survey work for W. Evergreen Drive for an urban road section is complete and the design for the proposed storm sewer will begin shortly.

Wilson Street & Hayes Street Paving and Utility Projects 2018

All Utility Construction is completed for Hayes and Wilson Streets. The Downtown Storm Sewer Project has begun and will continue through the Months of July and August. Updates to the schedule will be provided as the work proceeds.



Storm manhole installation for
Downtown Storm Sewer Project

GIS Utility Revision

Engineering staff continues to update the utility data base to improve accessibility and reliability of our information for public utilities. The Engineering Department staff is thankful for the dedication and effort of our summer interns DeLeah Willman and Josh LeNoble who devoted much of their time to survey collection of Village utilities. Our summer interns are currently using excel spreadsheets to help manage the information they have collected in preparation for GIS implementation. DeLeah and Josh will be ending their summer employment with the Village the last week in August. Good luck in school to both!



2018 Summer Interns
Josh LeNoble (UW–Madison) and DeLeah Willman (UW-Platteville)

UTILITY COMMISSION

August 21, 2018



Utility Bills List

August 21, 2018

The above payments are recommended for approval on August 21, 2018. \$ 193,193.50

\$ 193,193.50

Rejected:

| | |
|---|----------------------|
| UTILITY INVOICES PAID WITH VILLAGE BILLS - JULY 13 - JULY 31 | \$ 262,036.22 |
| UTILITY INVOICES PAID WITH VILLAGE BILLS - AUGUST 1 - AUGUST 16 | \$ 508,494.28 |
| TOTAL | \$ 963,724.00 |

Approved: August 21, 2018

Kevin Coffey, Chairperson

Laurie Decker, Clerk

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|--|-------|--|-------------------|-------|------|-----------|---------------|
| CLEAN WATER TESTING LLC (284) | | | | | | | |
| 146624 | Invoi | COLIFORM & E-COLI BACTERIA TEST | 19.60 | Open | Non | | 620-53644-204 |
| Total CLEAN WATER TESTING LLC (284): | | | 19.60 | | | | |
| COMPASS MINERALS AMERICA (4500) | | | | | | | |
| 280480 | Invoi | BULK COARSE UNTREATED ROCK | 2,448.94 | Open | Non | | 620-53634-224 |
| 280953 | Invoi | BULK COARSE UNTREATED ROCK | 2,436.73 | Open | Non | | 620-53634-224 |
| 283405 | Invoi | BULK COARSE UNTREATED ROCK | 2,476.40 | Open | Non | | 620-53634-224 |
| 283885 | Invoi | BULK COARSE UNTREATED ROCK | 2,461.14 | Open | Non | | 620-53634-224 |
| 285278 | Invoi | BULK COARSE UNTREATED ROCK | 2,384.87 | Open | Non | | 620-53634-224 |
| 287793 | Invoi | BULK COARSE UNTREATED ROCK | 2,430.63 | Open | Non | | 620-53634-224 |
| Total COMPASS MINERALS AMERICA (4500): | | | 14,638.71 | | | | |
| DONALD HIETPAS & SONS INC. (209) | | | | | | | |
| 073018 | Invoi | REPAIRED WATER BREAK @ 2021 TAYLOR | 2,870.03 | Open | Non | | 620-53644-251 |
| 080118 | Invoi | REPAIRED WATER BREAK @ MOASIS & TAYLOR | 1,583.83 | Open | Non | | 620-53644-251 |
| 080118-1 | Invoi | REPLACED HYDRANT CORNER OF WIS & HAYES | 1,428.12 | Open | Non | | 620-53644-254 |
| Total DONALD HIETPAS & SONS INC. (209): | | | 5,881.98 | | | | |
| FARRELL EQUIPMENT & SUPPLY CO INC (4598) | | | | | | | |
| 961873 | Invoi | 50LB BAG FARRELL VERTICAL PATCH | 149.94 | Open | Non | | 630-53442-251 |
| 961873 | Invoi | 50LB BAG FARRELL VERTICAL PATCH | 149.94 | Open | Non | | 610-53612-251 |
| Total FARRELL EQUIPMENT & SUPPLY CO INC (4598): | | | 299.88 | | | | |
| FERGUSON ENTERPRISES INC #448 #1020 (2046) | | | | | | | |
| 249161 | Invoi | BRASS PIPE FITTINGS & STYLE INSETTERS | 3,000.80 | Open | Non | | 620-53644-253 |
| Total FERGUSON ENTERPRISES INC #448 #1020 (2046): | | | 3,000.80 | | | | |
| FERGUSON WATERWORKS #1476 (221) | | | | | | | |
| 251552 | Invoi | FIRE HYDRANT | 2,650.00 | Open | Non | | 620-19204 |
| 251552 | Invoi | FIRE HYDRANT | 50.00 | Open | Non | | 620-53644-254 |
| 252226 | Invoi | STAINLESS STEEL CLAMP | 366.56 | Open | Non | | 620-53644-251 |
| 252226 | Invoi | TWO COUPLINGS | 737.82 | Open | Non | | 620-53644-251 |
| Total FERGUSON WATERWORKS #1476 (221): | | | 3,804.38 | | | | |
| HAWKINS INC (1918) | | | | | | | |
| 4325036 | Invoi | AZONE | 455.10 | Open | Non | | 620-53634-214 |
| 4325036 | Invoi | SODIUM SILICATE | 2,589.30 | Open | Non | | 620-53634-220 |
| 4334678 | Invoi | AZONE | 688.18 | Open | Non | | 620-53634-214 |
| 4334678 | Invoi | SODIUM SILICATE | 3,106.86 | Open | Non | | 620-53634-220 |
| Total HAWKINS INC (1918): | | | 6,839.44 | | | | |
| HEART OF THE VALLEY (280) | | | | | | | |
| 080618 | Invoi | JULY WASTEWATER | 118,446.15 | Open | Non | | 610-53611-225 |
| 080618 | Invoi | FOG CONTROL | 134.00 | Open | Non | | 610-53611-204 |
| Total HEART OF THE VALLEY (280): | | | 118,580.15 | | | | |
| MCC INC (480) | | | | | | | |
| 144048 | Invoi | 3/4" DENSE CRUSHER RUN STONE | 98.67 | Open | Non | | 620-53644-251 |

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|--|-------|---------------------------------------|------------|-------|------|-----------|---------------|
| Total MCC INC (480): | | | 98.67 | | | | |
| MCMAHON ASSOCIATES INC (276) | | | | | | | |
| 910763 | Invoi | 2018 ECOLOGICAL SERVICES | 1,042.32 | Open | Non | | 630-53441-204 |
| Total MCMAHON ASSOCIATES INC (276): | | | 1,042.32 | | | | |
| MCO (2254) | | | | | | | |
| 22883 | Invoi | AUGUST METER READING | 354.16 | Open | Non | | 610-53613-204 |
| 22883 | Invoi | AUGUST METER READING | 354.17 | Open | Non | | 620-53904-204 |
| 22884 | Invoi | SEPTEMBER 2018 OPERATIONS | 26,107.25 | Open | Non | | 620-53644-115 |
| 22884 | Invoi | SEPTEMBER 2018 HEALTH & LIABILITY INS | 3,848.59 | Open | Non | | 620-53644-115 |
| 22912 | Invoi | #318 MILEAGE - JULY 2018 | 125.35 | Open | Non | | 620-53644-247 |
| Total MCO (2254): | | | 30,789.52 | | | | |
| MIDWEST METER INC (4407) | | | | | | | |
| 102593 | Invoi | METER, BASE AND ACCESSORIES | 5,616.00 | Open | Non | | 620-19203 |
| Total MIDWEST METER INC (4407): | | | 5,616.00 | | | | |
| PACE ANALYTICAL SERVICES INC (4619) | | | | | | | |
| 1840053325 | Invoi | WATER ANALYSIS | 31.00 | Open | Non | | 620-53644-204 |
| 1840054299 | Invoi | WATER ANALYSIS | 93.00 | Open | Non | | 620-53644-204 |
| Total PACE ANALYTICAL SERVICES INC (4619): | | | 124.00 | | | | |
| SAFE SHIP (4553) | | | | | | | |
| 071918 | Invoi | POSTAGE - WATER TESTS | 185.43 | Open | Non | | 620-53644-204 |
| Total SAFE SHIP (4553): | | | 185.43 | | | | |
| TIME WARNER CABLE (89) | | | | | | | |
| 07/18 60703290180 | Invoi | AUGUST/SEPTEMBER SERVICE | 97.62 | Open | Non | | 620-53924-203 |
| Total TIME WARNER CABLE (89): | | | 97.62 | | | | |
| WATER WELL SOLUTIONS (3136) | | | | | | | |
| 452563 | Invoi | BOOSTER 5 REPAIRS - 50% COMPLETE | 2,175.00 | Open | Non | | 620-19201 |
| Total WATER WELL SOLUTIONS (3136): | | | 2,175.00 | | | | |
| Grand Totals: | | | 193,193.50 | | | | |

Report GL Period Summary

Vendor number hash: 68054
 Vendor number hash - split: 81718
 Total number of invoices: 28
 Total number of transactions: 36

| Terms Description | Invoice Amount | Net Invoice Amount |
|----------------------|-------------------|--------------------|
| Open Terms | 193,193.50 | 193,193.50 |
| Grand Totals: | 193,193.50 | 193,193.50 |

Report Criteria:

Invoice Detail.GL Account = "6200000000"- "6209999999", "61000000000"- "6109999999", "63000000000"- "6309999999"

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|--|-------|---|-------------------|-------|------|-----------|---------------|
| AT&T LONG DISTANCE (2751) | | | | | | | |
| 07/18 845626857 | Invoi | JUNE/JULY CHARGES | 8.13 | Open | Non | | 620-53924-203 |
| Total AT&T LONG DISTANCE (2751): | | | | | | | |
| | | | 8.13 | | | | |
| BUTCH'S CURB & LANDSCAPING LLC (4945) | | | | | | | |
| 1516 | Invoi | RISER RINGS | 65.00 | Open | Non | | 610-53612-218 |
| Total BUTCH'S CURB & LANDSCAPING LLC (4945): | | | | | | | |
| | | | 65.00 | | | | |
| DAMAGE PREVENTION SERVICES (4068) | | | | | | | |
| 2543 | Invoi | JULY LOCATES | 754.25 | Open | Non | | 610-53612-209 |
| 2543 | Invoi | JULY LOCATES | 1,592.25 | Open | Non | | 620-53644-209 |
| 2543 | Invoi | JULY LOCATES | 949.12 | Open | Non | | 630-53442-209 |
| Total DAMAGE PREVENTION SERVICES (4068): | | | | | | | |
| | | | 3,295.62 | | | | |
| DONALD HIETPAS & SONS INC. (209) | | | | | | | |
| 2018001-2 | Invoi | PROGRESS PMNT#2-2018 UTILITIES HAYES SANI | 467,701.82 | Open | Non | | 610-51018-263 |
| Total DONALD HIETPAS & SONS INC. (209): | | | | | | | |
| | | | 467,701.82 | | | | |
| EHLERS INVESTMENT PARTNERS LLC (1425) | | | | | | | |
| JULY 2018 | Invoi | JULY INVESTMENT MANAGEMENT | 467.96 | Open | Oth | | 620-53924-229 |
| JULY 2018 | Invoi | JULY INVESTMENT MANAGEMENT | 247.40 | Open | Oth | | 610-53614-229 |
| JULY 2018 | Invoi | JULY INVESTMENT MANAGEMENT | 416.43 | Open | Oth | | 630-53444-229 |
| JUNE 2018 | Invoi | JUNE INVESTMENT MANAGEMENT | 447.90 | Open | Oth | | 620-53924-229 |
| JUNE 2018 | Invoi | JUNE INVESTMENT MANAGEMENT | 246.94 | Open | Oth | | 610-53614-229 |
| JUNE 2018 | Invoi | JUNE INVESTMENT MANAGEMENT | 402.64 | Open | Oth | | 630-53444-229 |
| Total EHLERS INVESTMENT PARTNERS LLC (1425): | | | | | | | |
| | | | 2,229.27 | | | | |
| FARRELL EQUIPMENT & SUPPLY CO INC (4598) | | | | | | | |
| 965570 | Invoi | FIBER EXPANSION JOINT | 60.00 | Open | Non | | 620-53644-218 |
| Total FARRELL EQUIPMENT & SUPPLY CO INC (4598): | | | | | | | |
| | | | 60.00 | | | | |
| GRIESBACH READY-MIX LLC (3832) | | | | | | | |
| 4182 | Invoi | REDI MIX CONCRETE WABASH AVE | 387.00 | Open | Non | | 620-53644-216 |
| Total GRIESBACH READY-MIX LLC (3832): | | | | | | | |
| | | | 387.00 | | | | |
| HAWKINS INC (1918) | | | | | | | |
| 4315458 | Invoi | AZONE | 506.46 | Open | Non | | 620-53634-214 |
| 4315458 | Invoi | SODIUM SILICATE | 2,754.66 | Open | Non | | 620-53634-220 |
| Total HAWKINS INC (1918): | | | | | | | |
| | | | 3,261.12 | | | | |
| HEART OF THE VALLEY (280) | | | | | | | |
| 081018MP | Invoi | JULY HOV METER PAYABLE | 6,332.00 | Open | Non | | 610-21110 |
| Total HEART OF THE VALLEY (280): | | | | | | | |
| | | | 6,332.00 | | | | |

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|--|-------|--|------------------|-------|------|-----------|---------------|
| HEARTLAND BUSINESS SYSTEMS (3449) | | | | | | | |
| 271440H | Invoi | JUNE BILL PRINT QNTY 4054 | 141.89 | Open | Non | | 610-53614-206 |
| 271440H | Invoi | JUNE BILL PRINT QNTY 4054 | 141.89 | Open | Non | | 620-53904-206 |
| 271440H | Invoi | JUNE BILL PRINT QNTY 4054 | 141.89 | Open | Non | | 630-53443-206 |
| Total HEARTLAND BUSINESS SYSTEMS (3449): | | | 425.67 | | | | |
| HIGHWAY LANDSCAPERS INC (2229) | | | | | | | |
| 4997-1993 | Invoi | HAY BALES | 16.00 | Open | Non | | 620-53644-251 |
| Total HIGHWAY LANDSCAPERS INC (2229): | | | 16.00 | | | | |
| KAUKAUNA UTILITIES (234) | | | | | | | |
| 06/18 9012695 | Invoi | DOYLE PARK WELL | 3,874.64 | Open | Non | | 620-53624-249 |
| JULY 2018 | Invoi | PUMP STATION JEFFERSON ST | 1,457.31 | Open | Non | | 620-53624-249 |
| JULY 2018 | Invoi | #4 WELL EVERGREEN DR | 5,210.10 | Open | Non | | 620-53624-249 |
| JULY 2018 | Invoi | #3 WELL WASHINGTON ST | 3,335.83 | Open | Non | | 620-53624-249 |
| JULY 2018 | Invoi | STEPHEN ST TOWER/LIGHTING | 231.50 | Open | Non | | 620-53624-249 |
| JULY 2018 | Invoi | 1800 STEPHEN ST | 1,025.63 | Open | Non | | 630-53441-249 |
| Total KAUKAUNA UTILITIES (234): | | | 15,135.01 | | | | |
| LINDNER ACE HARDWARE LITTLE CHUTE (4702) | | | | | | | |
| 251077-325003 | Invoi | PARTS FOR WATER DEPT | 2.79 | Open | Non | | 620-53634-255 |
| 251164-325003 | Invoi | PARTS FOR WATER DEPT | 26.73 | Open | Non | | 620-53634-255 |
| 251383-325003 | Invoi | PARTS FOR SALT BIN | 45.00 | Open | Non | | 620-53634-255 |
| 251413-325001 | Invoi | CAULK | 19.53 | Open | Non | | 610-53612-251 |
| Total LINDNER ACE HARDWARE LITTLE CHUTE (4702): | | | 94.05 | | | | |
| MCC INC (480) | | | | | | | |
| 142463 | Invoi | HOT MIX ASPHALT | 123.61 | Open | Non | | 610-53612-216 |
| 142463 | Invoi | HOT MIX ASPHALT | 613.65 | Open | Non | | 620-53644-216 |
| 142463 | Invoi | HOT MIX ASPHALT | 298.92 | Open | Non | | 630-53442-216 |
| 143827 | Invoi | HOT MIX ASPHALT | 367.94 | Open | Non | | 610-53612-216 |
| Total MCC INC (480): | | | 1,404.12 | | | | |
| OUTAGAMIE COUNTY TREASURER (486) | | | | | | | |
| 1017004 | Invoi | JUNE FUEL BILL | 762.40 | Open | Non | | 630-53442-247 |
| 1017004 | Invoi | JUNE FUEL BILL | 269.09 | Open | Non | | 610-53612-247 |
| 1017004 | Invoi | JUNE FUEL BILL | 479.86 | Open | Non | | 620-53644-247 |
| 3382 | Invoi | STREET SWEEPINGS | 1,297.96 | Open | Non | | 630-53442-204 |
| Total OUTAGAMIE COUNTY TREASURER (486): | | | 2,809.31 | | | | |
| PRIMADATA LLC (4671) | | | | | | | |
| SEPTEMBER 2018 | Invoi | SEPTEMBER POSTCARD POSTAGE | 250.00 | Open | Non | | 610-53613-226 |
| SEPTEMBER 2018 | Invoi | SEPTEMBER POSTCARD POSTAGE | 250.00 | Open | Non | | 620-53904-226 |
| SEPTEMBER 2018 | Invoi | SEPTEMBER POSTCARD POSTAGE | 250.00 | Open | Non | | 630-53443-226 |
| Total PRIMADATA LLC (4671): | | | 750.00 | | | | |
| SPEEDY CLEAN DRAIN & SEWER (122) | | | | | | | |
| 65756 | Invoi | VACUUM SALT TANK - 10.5 HOURS, 3&4 MEN | 4,312.50 | Open | Non | | 620-53634-255 |

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|--------------------------------|------|---|-------------------|-------|------|-----------|---------------|
| | | Total SPEEDY CLEAN DRAIN & SEWER (122): | <u>4,312.50</u> | | | | |
| TIME WARNER CABLE (89) | | 06/18 60703290180 Invoi JULY/AUGUST SERVICE | 97.60 | Open | Non | | 620-53924-203 |
| | | Total TIME WARNER CABLE (89): | <u>97.60</u> | | | | |
| VERIZON WIRELESS (3606) | | 9810926565 Invoi JUNE/JULY SERVICE | 56.54 | Open | Non | | 620-53924-203 |
| | | Total VERIZON WIRELESS (3606): | <u>56.54</u> | | | | |
| VILLAGE OF LITTLE CHUTE (1404) | | JULY 2018 Invoi PUMP STATION JEFFERSON ST | 29.59 | Open | Non | | 620-53624-249 |
| | | JULY 2018 Invoi #3 WELL WASHINGTON ST | 15.68 | Open | Non | | 620-53624-249 |
| | | JULY 2018 Invoi 3609 FREEDOM RD-WATER/SEWER | 8.25 | Open | Non | | 630-53441-249 |
| | | Total VILLAGE OF LITTLE CHUTE (1404): | <u>53.52</u> | | | | |
| | | Grand Totals: | <u>508,494.28</u> | | | | |

Report GL Period Summary

Vendor number hash: 62229
 Vendor number hash - split: 99899
 Total number of invoices: 27
 Total number of transactions: 48

| Terms Description | Invoice Amount | Net Invoice Amount |
|-------------------|-------------------|--------------------|
| Open Terms | <u>508,494.28</u> | <u>508,494.28</u> |
| Grand Totals: | <u>508,494.28</u> | <u>508,494.28</u> |

Report Criteria:

Invoice Detail.GL Account = "6200000000"- "62099999999", "61000000000"- "61099999999", "63000000000"- "63099999999"

Report Criteria:

Invoice Detail.GL Account = "6200000000"- "6209999999", "6100000000"- "6109999999", "6300000000"- "6309999999"

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|---|-------|--|-----------------|-------|------|-----------|---------------|
| APPLETON OIL CO INC (4236) | | | | | | | |
| JUNE 2018 | Invoi | DIESEL FUEL | .65 | Open | Non | | 630-53442-247 |
| JUNE 2018 | Invoi | DIESEL FUEL | 9.52 | Open | Non | | 610-53612-247 |
| JUNE 2018 | Invoi | DIESEL FUEL | .32 | Open | Non | | 620-53644-247 |
| Total APPLETON OIL CO INC (4236): | | | 10.49 | | | | |
| AT& T (409) | | | | | | | |
| 92078873810963 0 | Invoi | JUN/JULY SERVICE | 50.78 | Open | Non | | 620-53924-203 |
| Total AT& T (409): | | | 50.78 | | | | |
| AT&T LONG DISTANCE (2751) | | | | | | | |
| 06/18 845626857 | Invoi | MAY/JUNE CHARGES | 414.84 | Open | Non | | 620-53924-203 |
| Total AT&T LONG DISTANCE (2751): | | | 414.84 | | | | |
| BERGSTROM FORD OF FOX VALLEY (3484) | | | | | | | |
| 317945 | Invoi | REPLACE A/C COMPRESSOR AND BELT | 1,227.20 | Open | Non | | 620-53644-247 |
| Total BERGSTROM FORD OF FOX VALLEY (3484): | | | 1,227.20 | | | | |
| BEVERS, TIM (2527) | | | | | | | |
| Q1Q2 2018 UTILIT | Invoi | JAN-JUNE 2018 UTILITY COMMISSION | 105.00 | Open | Non | | 620-53924-112 |
| Total BEVERS, TIM (2527): | | | 105.00 | | | | |
| BUTCH'S CURB & LANDSCAPING LLC (4945) | | | | | | | |
| 1461 | Invoi | RISER RINGS FOR LEGION PARKING LOT | 182.00 | Open | Non | | 630-53442-218 |
| Total BUTCH'S CURB & LANDSCAPING LLC (4945): | | | 182.00 | | | | |
| CIVIC SYSTEMS LLC (705) | | | | | | | |
| CVC16808 | Invoi | SEMI ANNUAL SUPPORT FEES 7/1/18-12/31/18 | 330.00 | Open | Non | | 620-53644-253 |
| CVC16808 | Invoi | SEMI ANNUAL SUPPORT FEES 7/1/18-12/31/18 | 972.00 | Open | Non | | 610-53614-208 |
| CVC16808 | Invoi | SEMI ANNUAL SUPPORT FEES 7/1/18-12/31/18 | 972.00 | Open | Non | | 620-53924-208 |
| CVC16808 | Invoi | SEMI ANNUAL SUPPORT FEES 7/1/18-12/31/18 | 972.00 | Open | Non | | 630-53444-208 |
| Total CIVIC SYSTEMS LLC (705): | | | 3,246.00 | | | | |
| COFFEY, KEVIN (2300) | | | | | | | |
| Q1Q2 2018 UTILIT | Invoi | JAN-JUNE 2018 UTILITY COMMISSION | 140.00 | Open | Non | | 620-53924-112 |
| Total COFFEY, KEVIN (2300): | | | 140.00 | | | | |
| COMPASS MINERALS AMERICA (4500) | | | | | | | |
| 273828 | Invoi | BULK COARSE UNTREATED ROCK | 2,428.60 | Open | Non | | 620-53634-224 |
| 274317 | Invoi | BULK COARSE UNTREATED ROCK | 2,367.58 | Open | Non | | 620-53634-224 |
| 274318 | Invoi | BULK COARSE UNTREATED ROCK | 2,483.51 | Open | Non | | 620-53634-224 |
| 277941 | Invoi | BULK COARSE UNTREATED ROCK | 2,430.63 | Open | Non | | 620-53634-224 |
| Total COMPASS MINERALS AMERICA (4500): | | | 9,710.32 | | | | |

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|--|-------|---|-------------------|-------|------|-----------|---------------|
| DAMAGE PREVENTION SERVICES (4068) | | | | | | | |
| 2511 | Invoi | JUNE LOCATES | 641.75 | Open | Non | | 610-53612-209 |
| 2511 | Invoi | JUNE LOCATES | 1,284.88 | Open | Non | | 620-53644-209 |
| 2511 | Invoi | JUNE LOCATES | 922.37 | Open | Non | | 630-53442-209 |
| Total DAMAGE PREVENTION SERVICES (4068): | | | 2,849.00 | | | | |
| DONALD HIETPAS & SONS INC. (209) | | | | | | | |
| 060518 | Invoi | REPAIRED 2 WATER BREAKS AT 120 HOMEWOOD | 4,234.07 | Open | Non | | 620-53644-251 |
| 060618 | Invoi | REPAIRED WATER BREAK AT 1901 BUCHANAN | 2,792.75 | Open | Non | | 620-53644-251 |
| 061418 | Invoi | INSTALLED NEW HYDRANT AT 520 RANDOLPH | 1,619.02 | Open | Non | | 620-19204 |
| 061518 | Invoi | DELIVERED 21 TON OF 3/4" TO EVERGREEN WEL | 227.01 | Open | Non | | 620-53644-251 |
| 61418 | Invoi | DRILLED FOR WATER BREAK ON TAYLOR & MOA | 635.84 | Open | Non | | 620-53644-251 |
| Total DONALD HIETPAS & SONS INC. (209): | | | 9,508.69 | | | | |
| FARRELL EQUIPMENT & SUPPLY CO INC (4598) | | | | | | | |
| 958338 | Invoi | CONCRETE MIX | 29.94 | Open | Non | | 630-53442-216 |
| Total FARRELL EQUIPMENT & SUPPLY CO INC (4598): | | | 29.94 | | | | |
| FERGUSON ENTERPRISES INC #448 #1020 (2046) | | | | | | | |
| 249528 | Invoi | BUTYL SEAL ROLL | 108.00 | Open | Non | | 630-53442-218 |
| 4527718 | Invoi | THREAD COUPLINGS | 130.34 | Open | Non | | 620-53644-251 |
| 4552931 | Invoi | BALL VALVES AND COUPLINGS | 164.52 | Open | Non | | 620-53644-251 |
| Total FERGUSON ENTERPRISES INC #448 #1020 (2046): | | | 402.86 | | | | |
| FERGUSON WATERWORKS #1476 (221) | | | | | | | |
| 0249335 | Invoi | HOSE BIBBS | 1,337.50 | Open | Non | | 620-53644-255 |
| Total FERGUSON WATERWORKS #1476 (221): | | | 1,337.50 | | | | |
| GLOUEDEMANS, MARK (4091) | | | | | | | |
| Q1Q2 2018 UTILIT | Invoi | JAN-JUNE 2018 UTILITY COMMISSION | 105.00 | Open | Non | | 620-53924-112 |
| Total GLOUEDEMANS, MARK (4091): | | | 105.00 | | | | |
| HAWKINS INC (1918) | | | | | | | |
| 4303899 | Invoi | AZONE | 383.26 | Open | Non | | 620-53634-214 |
| 4303899 | Invoi | SODIUM SILICATE | 2,540.64 | Open | Non | | 620-53634-220 |
| Total HAWKINS INC (1918): | | | 2,923.90 | | | | |
| HEART OF THE VALLEY (280) | | | | | | | |
| 071218 | Invoi | JUNE WASTEWATER | 131,888.89 | Open | Non | | 610-53611-225 |
| 071218 | Invoi | FOG CONTROL | 149.00 | Open | Non | | 610-53611-204 |
| 071918MP | Invoi | 2014-2016 HOV METER PAYABLE | 50,237.00 | Open | Non | | 610-21110 |
| 072018MP | Invoi | JUNE HOV METER PAYABLE | 8,864.00 | Open | Non | | 610-21110 |
| Total HEART OF THE VALLEY (280): | | | 191,138.89 | | | | |
| MCC INC (480) | | | | | | | |
| 140110 | Invoi | HOT MIX ASPHALT | 1,925.82 | Open | Non | | 620-53644-216 |
| 140110 | Invoi | HOT MIX ASPHALT | 101.36 | Open | Non | | 630-53442-216 |
| 140932 | Invoi | COLD MIX | 779.45 | Open | Non | | 620-53644-251 |

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|--|-------|--|------------------|-------|------|-----------|---------------|
| Total MCC INC (480): | | | <u>2,806.63</u> | | | | |
| MCO (2254) | | | | | | | |
| 22791 | Invoi | JULY METER READING | 354.17 | Open | Non | | 620-53904-204 |
| 22791 | Invoi | JULY METER READING | 354.16 | Open | Non | | 610-53613-204 |
| 22792 | Invoi | AUGUST 2018 HEALTH & LIABILITY INS | 3,848.59 | Open | Non | | 620-53644-115 |
| 22792 | Invoi | AUGUST 2018 OPERATIONS | 26,107.25 | Open | Non | | 620-53644-115 |
| 22816 | Invoi | #318 MILEAGE - JUNE 2018 | 292.67 | Open | Non | | 620-53644-247 |
| Total MCO (2254): | | | <u>30,956.84</u> | | | | |
| MIDWEST METER INC (4407) | | | | | | | |
| 0102204-IN | Invoi | TURBO HEAD ASSEMBLY | 311.85 | Open | Non | | 620-53644-253 |
| Total MIDWEST METER INC (4407): | | | <u>311.85</u> | | | | |
| PACE ANALYTICAL SERVICES INC (4619) | | | | | | | |
| 1840052834 | Invoi | WATER ANALYSIS | 50.00 | Open | Non | | 620-53644-204 |
| Total PACE ANALYTICAL SERVICES INC (4619): | | | <u>50.00</u> | | | | |
| PRIMADATA LLC (4671) | | | | | | | |
| AUGUST 2018 | Invoi | AUGUST POSTCARD POSTAGE | 250.00 | Open | Non | | 610-53613-226 |
| AUGUST 2018 | Invoi | AUGUST POSTCARD POSTAGE | 250.00 | Open | Non | | 620-53904-226 |
| AUGUST 2018 | Invoi | AUGUST POSTCARD POSTAGE | 250.00 | Open | Non | | 630-53443-226 |
| Total PRIMADATA LLC (4671): | | | <u>750.00</u> | | | | |
| SCHULTZ, JESSICA (4607) | | | | | | | |
| Q1Q2 2018 UTILIT | Invoi | JAN-JUNE 2018 UTILITY COMMISSION | 70.00 | Open | Non | | 620-53924-112 |
| Total SCHULTZ, JESSICA (4607): | | | <u>70.00</u> | | | | |
| SPEEDY CLEAN DRAIN & SEWER (122) | | | | | | | |
| 65556 | Invoi | TELEVISE & LOCATE TWO 4" LINES FOR STORM | 337.50 | Open | Non | | 630-53442-251 |
| Total SPEEDY CLEAN DRAIN & SEWER (122): | | | <u>337.50</u> | | | | |
| THERMASTOR PRODUCTS GROUP (2557) | | | | | | | |
| 2968271 RI | Invoi | DEHUMIDIFIER | 2,925.25 | Open | Non | | 620-19250 |
| Total THERMASTOR PRODUCTS GROUP (2557): | | | <u>2,925.25</u> | | | | |
| VERIZON WIRELESS (3606) | | | | | | | |
| 9809073499 | Invoi | MAY/JUNE SERVICE | 49.94 | Open | Non | | 620-53924-203 |
| Total VERIZON WIRELESS (3606): | | | <u>49.94</u> | | | | |
| WE ENERGIES (2788) | | | | | | | |
| 4494800612 07/18 | Invoi | PUMP STATION @ EVERGREEN & FRENCH | 189.43 | Open | Non | | 620-53624-249 |
| 4494800612 07/18 | Invoi | LC WELL #4 PUMPHOUSE (625 E EVERGREEN) | 14.61 | Open | Non | | 620-53624-249 |
| 4494800612 07/18 | Invoi | PLANT #2 (1118 JEFFERSON ST) | 11.26 | Open | Non | | 620-53624-249 |
| 4494800612 07/18 | Invoi | PLANT #1 (100 WILSON ST) | 65.36 | Open | Non | | 620-53624-249 |
| 4494800612 07/18 | Invoi | 920 WASHINGTON ST | 10.14 | Open | Non | | 620-53624-249 |

| Invoice | Type | Description | Total Cost | Terms | 1099 | PO Number | GL Account |
|--------------------|------|--|-------------------|-------|------|-----------|---------------|
| | | Total WE ENERGIES (2788): | <u>290.80</u> | | | | |
| WEGAND, TIM (3034) | | Q1Q2 2018 UTILIT Invo JAN-JUNE 2018 UTILITY COMMISSION | <u>105.00</u> | Open | Non | | 620-53924-112 |
| | | Total WEGAND, TIM (3034): | <u>105.00</u> | | | | |
| | | Grand Totals: | <u>262,036.22</u> | | | | |

Report GL Period Summary

Vendor number hash: 100409
 Vendor number hash - split: 146812
 Total number of invoices: 42
 Total number of transactions: 60

| Terms Description | Invoice Amount | Net Invoice Amount |
|-------------------|-------------------|--------------------|
| Open Terms | <u>262,036.22</u> | <u>262,036.22</u> |
| Grand Totals: | <u>262,036.22</u> | <u>262,036.22</u> |

Report Criteria:

Invoice Detail.GL Account = "6200000000"- "6209999999", "6100000000" - "6109999999", "6300000000" - "6309999999"